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ABSTRACT

Findings are presented of inventory and space utilization studies encompassing the facilities at 105 of the institutions of higher education in North Carolina. Information is given regarding--(1) building characteristics, (2) interior space characteristics, and (3) utilization of instructional space. The majority of the data is presented in tabular form. (FS)

ED037957

STATE OF NORTH CAROLINA
HIGHER EDUCATION COMPREHENSIVE PLANNING PROGRAM

FACILITIES INVENTORY AND UTILIZATION STUDY
1968

University of North Carolina at Asheville

EF 004 142

North Carolina State Commission on
Higher Education Facilities
320 West Jones Street
Raleigh, North Carolina

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HIGHER EDUCATION COMPREHENSIVE PLANNING PROGRAM

Facilities Inventory and Utilization Study
Fall of 1968

For

THE STATE OF NORTH CAROLINA

North Carolina State Commission on Higher Education Facilities
320 West Jones Street
Raleigh, North Carolina 27602

June 1969

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Foreword

In 1966 and 1967, the Congress provided funds to state higher education facilities commissions for the conduct of comprehensive facilities planning studies. With these planning grants, 1967 and 1968 inventory and space utilization studies have been developed encompassing the facilities at 105 of the institutions of higher education in North Carolina.

This report presents selected summary information from the quantities of data assembled in the 1968 comprehensive studies.

Public and private institutions throughout the state have cooperated fully in time, energy, and funds to provide data for the studies. The participating institutions are listed in Appendix B. The gathering and review of data for the studies have been accomplished through the joint effort of the state agencies providing membership to the Facilities Technical Committee.

Special acknowledgement and appreciation are expressed to the following individuals for their cooperation and contributions: Dr. Cameron West and Mr. Allen Barwick of the State Board of Higher Education, Mr. Vincent Outland and Mr. Julian Wingfield of the State Department of Community Colleges, and Mr. Noah Sites and Mr. Donald Sibley of the State Property Control and Construction Division.

The Commission staff also expresses special acknowledgement and appreciation to members of the Facilities Advisory Committee for their advice and counsel during all phases of the study.

Charles L. Wheeler
Director

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Appendix A - Individual Community Colleges and Technical Institutes

A-1 Through A-24 In Tables A-1 through A-24, Appendix A presents data for individual community colleges and technical institutes. Table titles are the same as in Tables 1-24, above. 80-127

Definition of Terms

Academic Facilities means the sum of all "instructional and library facilities" and all "instruction-related facilities" as defined below.

> Instructional and library facilities means all rooms or areas used regularly for instruction of students, for faculty offices, or for library purposes, and service areas (such as storage closets, projection booths, balance rooms, dark rooms, locker and shower rooms, and private toilets) which are used in conjunction with such rooms or areas. A room intended and equipped for any such purposes is counted in the appropriate category regardless of the building (e.g., administration building, library building, or classroom building) in which it is located.
>
> Instruction-related facilities means all rooms or areas (other than instructional and library facilities) which are used for purposes related to the instruction of students, or for research, or for the general administration of the educational or research programs of an institution of higher education, and service areas (such as storage rooms, private toilets, or control rooms) which are used in conjunction with such rooms or areas.

Average Room Hours Of Instruction Weekly (or average room hours) means the ratio of "total room hours of instruction" to "total number of rooms", where one room hour (of instruction) equals one scheduled hour of instruction for one class session.

Average Student Station Hours Weekly (or average student station hours) means the ratio of "total student hours of instruction" to "total number of student stations", where one student hour of instruction equals one hour of scheduled instruction for one student.

Capacity/Enrollment Ratio (or C/E Ratio) is the ratio of "assignable square feet of instruction and library facilities" to the "total student clock hours of scheduled instruction per week."

Credit Hour FTE Student means the same as FTE Student (see below). (Credit Hour FTE Student is used in Table A-17 to differentiate from "Contact Hour FTE" which is commonly used in the institutions of the North Carolina Community College System.)

Daytime Class means any scheduled class with beginning time between and including 0500 and 1659 (24-hour clock).

FTE Enrollment (Student) is defined as the number of full-time students (those carrying at least 75 percent of the normal credit-hour load) plus the equivalent number of students enrolled for less than 75 percent of the normal full-time load. In obtaining FTE enrollment figures for community colleges and technical institutes, the Department of Community Colleges counts a student carrying 12 or more credit hours as a full-time student, and uses the following method of equating part-time students: a student with a load of 9 through 11 credit hours is the equivalent of 3/4 FTE; the student with a 6 through 8 credit hour load is the equivalent of 1/2 FTE; and a student enrolled for less than 6 credit hours is the equivalent of 1/4 FTE. For other than community colleges and technical institutes, the method used by the North Carolina Board of Higher Education for equating part-time students is in accordance with their published definitions. Although the two methods referred to above are slightly different, the resulting FTE student count would be essentially the same using either method.

Grand Weighted Mean is an extension of the weighted mean (see below) in that it is the "weighted mean" for all reporting institutions in the state.

I&R is an abbreviation for "instruction and research". For definition of "instruction and research", see Appendix D.

Instructional and Library Facilities. Definition of this term is included within the definition of "academic facilities" (see above).

Mean is the quotient obtained by dividing the sum of the responses received on a given item by the number of institutions reporting some quantity for that particular item. Institutions that did not submit data for a particular item are not included in the computation of the mean for that item. The mean value is used to give an average of a certain group of institutions, and is calculated by giving equal weight to the values obtained for each institution.

NASF is an abbreviation for "net assignable square feet" (see below).

Net Assignable Square Feet (or net assignable area, or net assignable space) means the sum of all interior areas on all floors of a building assigned to, or available for assignment to an occupant, including every type of space functionally usable by an occupant. It includes all such described space used for the conduct of institutional programs in all buildings, both residential and non-residential, regardless of whether owned, leased, rented, made available at nominal or no cost, being purchased, or shared. It does not include such non-assignable spaces as circulation areas, custodial areas, mechanical areas, and construction area.

Nighttime Class means any scheduled class with beginning time between and including 1700 and 0459 (24-hour clock).

Organized Research. For definition of this term, see Appendix D.

Percentage Occupancy means the same as "percent student station utilization" (see below).

Percent Student Station Utilization (or percent student station utilization when rooms are in use) is the ratio of "total student hours of instruction" to "potential student hours of instruction" (see p. 51).

Research is any activity the primary objective of which is the discovery or application of knowledge, including the research activities engaged in by students as a part of their graduate training.

Room Hours of Instruction Per Week (or room hours per week, or room hours) means the number of hours of scheduled instruction, regardless of class size, occuring in a room during a one-week time period.

Space Factor (SF) is a measure reporting NASF per student clock hour (see pp. 51-52 and p. 55 for significance and derivation of the space factor).

Student Clock Hours Per Week (or student contact hours, or student clock hours) is a measure which reports the sum of the number of scheduled hours of instruction received by all students, where one student clock hour equals one hour of scheduled instruction for one student. This measure is tabulated separately for classrooms (Room-type 110), class laboratories (Room-type 210), and other teaching facilities (all Room-types, except 110 and 210).

Weighted Mean is the sum of a column of figures divided by the sum of another column of figures. The weighted mean value is used to show the effect of a group of institutions as an entity. It not only takes into account the number of units to be averaged, but also makes allowance for the value of each unit.

I. Introduction

General Content of the Report

Compiled in this report in tabular form are summaries of selected data developed in the 1968 North Carolina higher education facilities inventory and space utilization study, along with accompanying analyses. Encompassed are all institutions of higher learning in the state, including the community college system but excepting one community college and one small private junior college.

Tabular data and associated narrative appear under three general headings: Chapter II, Building Characteristics; Chapter III, Interior Space Characteristics; and Chapter IV, Utilization of Instructional Space. A standardized format for all tables in the main body of the report reflects data applicable to: (1) Groups of senior public colleges and universities and individual institutions within these groups; (2) Private universities, private four-year colleges, and private 2-year colleges by single line entry for each category; and (3) community colleges and technical institutes by one line entry per category. In the last instance above, corresponding supplementary tables listing data for each community college and technical institute are included in Appendix A.

Purposes of the Study

The purposes of the 1968 study continue as reported for the previous year. The immediate aim is on an annual basis to develop and refine higher education facilities inventory and utilization data which will meet the information needs of (1) the North Carolina Board of Higher Education, (2) the State Board of Education and Department of Community Colleges, (3) the Property Control and Construction Division in the State Department of Administration, and (4) the State Commission on Higher Education Facilities, and which will satisfy the reporting requirements of the U. S. Office of Education. The ultimate goal, major elements of which have been achieved through the completed studies, is to establish a continuing basis for the agencies named and for the individual educational institutions to determine the number and kinds of facilities needed, their estimated cost, and probable sources of funds. Using information from the 1967 and 1968 studies, cooperating state agencies have already made significant advances toward attainment of this long-range objective.

Scope of the Study

The facilities inventory has assembled descriptive data on a building-by-building, room-by-room basis for 105 of the 107 institutions of higher education in the state. Included were 16 public colleges and universities, 40 private colleges and universities, 12 community colleges, and 37 technical institutes. Only one institution declined to participate, a small private 2-year college. One community college was not inventoried, since it had not yet occupied its permanent buildings. The utilization portion of the survey encompassed these same institutions. The participating institutions, with related abbreviations used in the tables, are listed in Appendix B.

Procedures for the Study

The procedures established for the 1967 study were continued in 1968, with minor modifications suggested by participating agencies and institutions. The 1967 inventory and utilization manual was again used to guide the collection and reporting of data. Precise inventory up-dating procedures previously built into the system were highly effective in improving the speed and accuracy of reporting.

Members of the project staff visited a number of institution campuses to assist in the joint gathering and recording of data. The staff also provided valuable assistance to institutions which were establishing or refining their capability to report both inventory and utilization information by data processing cards or magnetic tape. All reported data were audited centrally for accuracy, completeness, and agreement.

Through cooperative arrangement, concerned state agencies provided noteworthy contributions in readying information for publication: (1) The Department of Community College reviewed all inventory data of the 49 participating institutions in the community college system, and assembled, pre-audited, and key-punched all utilization data for these same institutions. (2) The Property Control and Construction Division accomplished the same functions as in (1) above for the 16 public 4-year colleges and universities.

The Facilities Technical Committee and the Facilities Advisory Committee appointed for the previous year continued to assist and advise throughout the progress of the study.

Limitations of the Study

Because instructional space utilization data and factors are so often misinterpreted, a word of caution is placed here. Percentages arrived at can, of course, apply only to one period of time -- in the case of this study, to the end of the drop-and-add period of the fall term, 1968. Immediately following a utilization study, an institution may place new or renovated space into use or determine certain space to be unusable and thus appreciably alter its utilization picture. It is equally true that the physical characteristics of the instructional space and the funds available for its maintenance and alteration, as well as the amount of space the budget is able to provide, may dictate what appears to be good or poor utilization. In this study, no attempt has been made to assemble data reflecting the condition of instructional space or to judge its adequacy for the purposes used.

There is no optimum utilization figure or formula which will always apply to all types and conditions of space. Since utilization of classroom or laboratory space may vary by the nature of the instructional programs and the level of instruction involved, comparison of data among institutions may be misleading.

The mission and philosophy of the institution, and the instructional programs and methods developed to fulfill these aims, will vary among institutions and influence the manner in which space is used or in which it may be best used.

Instructions, Terms, Codes, and Definitions

To facilitate an understanding of the specialized terminology used in the study and the procedures employed in assembling the information reported, a set of definitions is provided on pp. ix-xiii, and, in Appendixes C, D, and E, an account of the instructions, procedures, terms, codes, and forms used for data gathering is included.

II. Building Characteristics

As of September 30, 1968, physical facilities inventoried in North Carolina colleges and universities, including community colleges and technical institutes, encompassed just short of 43 million square feet of building area in more than 2,300 buildings. These statistics represent a net increase of approximately 6.5 million gross square feet, including 224 additional buildings and additions to previously existing buildings, over the area inventoried as of September 30, 1967. A significant portion of this increase results from the net gain of 20 institutions represented in the present study over the number inventoried in 1967.[1]

In this chapter, gross area data for buildings at institutions and/or groups of institutions throughout the state are analyzed in Tables 1 through 10.

Ownership of Buildings

Table 1 categorizes all institutional buildings by status of ownership in terms of numbers of buildings and combined gross area of those buildings. The following two categories of ownership are reflected in these tables: (1) Buildings "Owned" by institutions, and (2) Buildings "Not Owned" by institutions, irrespective of whether Leased or Rented, Made Available at Nominal or No Cost, under Lease-Purchase Arrangements, or Shared With Another Institution. This reporting shows also the percent of total campus gross area comprising each ownership category.

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[1] Added to the 1968 inventory were one private university, 2 community colleges and 18 technical institutes. Dropped were one private 2-year college, which for 1968 converted its curriculum to a high school/preparatory school level, and one private university medical school which was unable to complete its 1968 inventory up-date.

Of all buildings inventoried, 97 percent of the gross area is owned by institutions, and 3 percent is owned by other agencies.

As groups of institutions, the regional universities reported the highest proportion (100.0%) of buildings owned, followed closely by the Consolidated University (99.5%) and the private universities (98.9%); then, the private 4-year colleges (95.4%) and the public senior colleges (95.1%). The private 2-year colleges reported the highest proportion (3.3%) of building usage under lease-purchase arrangements, while the community college system used the greatest proportion (4.2%) of leased or rented buildings. The community college system (8.4%), the private 4-year colleges (3.3%), and the public senior colleges (3.2%) had the three largest proportions of space made available at nominal or no cost. Only two institutions reported use of buildings shared with another institution.

In the state-wide picture, categories of building ownership, by gross square feet, ranked in the following order: owned (97%), made available at nominal or no cost (1.8%), leased or rented (0.7%), held by lease-purchase arrangements (0.5%); shared with another institution (0.1-%).

Capital Investment in Buildings and Gross Square Feet

The gross area of all buildings in the 1968 North Carolina higher education facilities inventory is 42,867,134 square feet constructed at an actual cost of $582,522,000 as reported by institutions. While capital investment in non-residential buildings is more than twice (225.2%) that in residential buildings, actual gross square feet of non-residential facilities amount to only about two-thirds more (168.9%) than gross square feet of residential space.

As in 1967, only one residential building (a president's home) was reported by the community college system.

Table 2 reflects actual dollar building costs (rounded to the nearest thousand dollars) as reported by institutions, and gross square feet of institutional buildings. Both measures are shown by residential and non-residential categories and by total campus summations for each institution and for each grouping of institutions.

In reviewing these tables, one should observe two cautions: (1) "Actual Capital Investment" shows actual dollar costs to the institution for construction and major renovations at the time expenditures were made. These costs, no matter when incurred, have not been updated to adjust for rising costs of construction (See the following discussion of "Estimated Replacement Value" which does reflect rising construction costs); (2) "Gross Square Feet" includes all institutional buildings, regardless of how procured and regardless of category of ownership.

Estimated Replacement Value of Buildings

Using percentage factors derived from indexes for the Raleigh, North Carolina area as listed in the 1968 F. W. Dodge Corporation's costing guide,[2] institutions computed and reported for each building an estimated current replacement value for purposes of the present study.[3] Resultant figures

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[2] F. W. Dodge Corporation, Dow Building Cost Calculator and Valuation Guide Edition 159 A, October-December, 1968.

[3] "Estimated Replacement Value" of a building is the estimated cost to replace the building's gross square footage using current costs for similar projects as the estimate basis.

shown in Table 3 are, therefore, standardized (using September, 1968 as the base) representations that list building values for each institution and for each group of institutions. Non-residential and residential segments are separately listed and are then combined to yield the total campus summation.

To show the relationship between the estimated value of the square feet reported and the actual cost of this space, capital investment figures from Table 2 are repeated.

One notes that as of the reporting date, the total of North Carolina's facilities for higher education were estimated to represent an average value of just over $21.05 per square foot at current construction costs (including building service systems and fixed equipment). The average estimated replacement value per gross square foot of non-residential buildings is $23.37; the average replacement value per gross square foot of residential buildings is $17.15.

At $27.52 per gross square foot campus-wide, the private universities had the most expensive buildings in the state in terms of replacement value. In order of decreasing estimated costs of replacement, the Consolidated University ($23.06/ft.), the regional universities ($19.59/ft), the private 4-year colleges ($19.26/ft.), the community college system ($18.17/ft.), the public senior colleges ($17.58/ft.), and the private 2-year colleges ($15.13/ft.) followed. Further detail may be noted in the table.

Age of Buildings Reported by Gross Square Feet Per Age Classification

Table 4 reports by institution, in terms of gross square feet, the age of all institutional buildings whether owned or not owned (See Appendix C, p. 143, for buildings excluded from the inventory). Of the 42,867,134 gross square feet of facilities in North Carolina as of the reporting date, the greatest single proportion (39.4%) was of relatively new construction (9 years old or less); 27.6% was 30-68 years old, and 22.2% was 9-19 years old. Comparatively little construction (6.9%) has survived from the period 1940-1949, and even less (2.3%) has survived from the year 1900 or earlier. Only 1.6% of all facilities were reported of unknown dates of construction.

Condition of Buildings as Reported by Institutions

Table 5 reflects for each campus the amount of gross square feet of building space categorized by the following conditions: "satisfactory," "needs major rehabilitation," and "should be razed." In reporting one of these conditions for each building, judgments of institutional personnel were often, of necessity, subjective in nature since professional evaluation was not requested. (For the broad guidelines used in reporting building condition, see Appendix C).

As should be expected, most (89.6%) of all facilities for higher education in North Carolina were reported in satisfactory condition. Other buildings amounting to 6.4% of the state-wide total gross area were reported in need of extensive repairs and deferred maintenance. The remaining 4.0% were reported in such a state of deterioration that they should be razed, but were being used only because of the urgent need for space and lack of funds for new construction. As measured against comparable figures of the 1967 study, the status of North Carolina's facilities is generally improved with respect to condition of buildings. The percentage of buildings in "satisfactory" condition has been increased by 0.5 of one percentage point, while the percentage of buildings in "should be razed" condition has been decreased by 0.6 of one percentage point. The percentage of state-wide gross area needing major rehabilitation, while having increased, is only 0.1 percentage point above last year's figure.

Projection for Demolition of Buildings

Institutions throughout the state reported a total of 1,168,076 gross square feet of buildings to be demolished between 1968-1976. This amount of space, while being only 2.7% of all institutional space available, represented 67.7% of the space categorized under the building condition, "should be razed (See Table 5). Two groups of institutions had planned to demolish more space than they had classified "should be razed." Those groups were the private universities (projected demolition in the proportion of 130.0% of their "should be razed" space) and the regional universities (projected demolition in the proportion of 103.4% of their "should be razed" space). Other groups projected lesser proportions: the private 2-year colleges at 80.2%, the Consolidated University at 76.7%, the private 4-year colleges at 55.1%, the public senior colleges at 48.3%, and the Community College System at 34.1%. In noting the foregoing comparisons, one should keep in mind that while projections for demolition are extended through 1976, the building condition, "should be razed," and others reflected in Table 5 show conditions only as they existed on September 30, 1968. Demolition projections are reported in Table 6.

Source of Funds for Building Construction

Tables 7, and 8 show the sources of funds used for financing the construction or acquisition of all buildings initially occupied by institutions after June 30, 1964. (For source codes and definitions, see Appendix C).

Using money spent as an index of the amount of construction or purchase, one notes that over the four-year period, June 30, 1964 - September 30, 1968, acquisition of facilities by the private 4-year colleges accounted for the greatest proportion (21.9%) of the total state-wide acquisition. The Consolidated University (18.9%), the regional universities (17.7%), and the private universities (15.4%) accounted for the next three positions.

Sources of funds categorized as "other" provided 34.4% of all monies spent, while state and local government appropriations (25.0%) and revenue bonds (16.6%) supplied the next largest proportions. Federal government grants (13.4%) and funds from general obligation bonds (10.1%) supported lesser proportions of facilities construction and purchase, and direct tax levies (0.5%) supplied the least revenue for expanding educational facilities.

Gross Square Footage of Buildings Classified by Percent of Air Conditioning

Information gathered from institutions listed in this study revealed that buildings containing 50.0% of the gross area of facilities in the state were to some degree air conditioned. As reflected in Table 9, air conditioning is interpreted to include not only central systems, but also lesser sized units, individual window units, and evaporative coolers.

Gross Square Footage of Buildings as Classified in National Shelter Survey

As of September 30, 1968, 88.8% of all institutional gross area had been included in the National Shelter Survey. Of that 38,065,672 square feet included in the Survey, 28.8% had been both licensed as fallout shelter and stocked with supplies; 10.6% had been licensed as fallout shelter, but not stocked with supplies; and 60.6% had not been licensed as suitable for fallout shelter. Table 10 shows additional detail.

Table 1

Ownership Of Buildings
Fall 1968

INSTITUTION	Owned			Leased Or Rented			Made Available At Nominal Or No Cost			Lease-Purchase Arrangements			Shared With Another Institution			Total		
	No. of Bldgs.	Gross Sq. Ft.	%	No. of Bldgs.	Gross Sq. Ft.	%	No. of Bldgs.	Gross Sq. Ft.	%	No. of Bldgs.	Gross Sq. Ft.	%	No. of Bldgs.	Gross Sq. Ft.	%	No. of Bldgs.	Gross Sq. Ft.	%
Consolidated University:																		
UNC-CH	151	4,551,076	100.0	-	-	-	-	-	-	-	-	-	-	-	-	151	4,551,076	100.0
UNC-CH(HA)	30	1,028,634	96.3	35	39,126	3.7	-	-	-	-	-	-	-	-	-	65	1,067,760	100.0
NCSU	82	4,227,717	100.0	-	-	-	-	-	-	-	-	-	-	-	-	82	4,227,717	100.0
UNC-G	68	1,920,799	98.9	1	21,136	1.1	-	-	-	-	-	-	-	-	-	69	1,941,935	100.0
UNC-C	10	368,352	100.0	-	-	-	-	-	-	-	-	-	-	-	-	10	368,352	100.0
Subtotal	341	12,096,578	99.5	36	60,262	0.5	-	-	-	-	-	-	-	-	-	377	12,156,840	100.0
Regional Universities:																		
A&TU	69	1,325,937	100.0	-	-	-	-	-	-	-	-	-	-	-	-	69	1,325,937	100.0
ASU	55	1,648,185	100.0	-	-	-	-	-	-	-	-	-	-	-	-	55	1,648,185	100.0
ECU	52	1,868,009	100.0	-	-	-	-	-	-	-	-	-	-	-	-	52	1,868,009	100.0
WCU	47	1,107,697	100.0	-	-	-	-	-	-	-	-	-	-	-	-	47	1,107,697	100.0
Subtotal	223	5,949,828	100.0	-	-	-	-	-	-	-	-	-	-	-	-	223	5,949,828	100.0
Public Senior Colleges:																		
A-BC	17	234,928	100.0	-	-	-	-	-	-	-	-	-	-	-	-	17	234,928	100.0
ECSC	37	348,420	100.0	-	-	-	-	-	-	-	-	-	-	-	-	37	348,420	100.0
FSC	30	495,744	100.0	-	-	-	-	-	-	-	-	-	-	-	-	30	495,744	100.0
NCC-D	39	1,017,544	100.0	-	-	-	-	-	-	-	-	-	-	-	-	39	1,017,544	100.0
NCSA	-	-	-	1	7,945	5.1	2	102,244	65.5	2	45,890	29.4	-	-	-	5	156,079	100.0
PSC	27	283,406	100.0	-	-	-	-	-	-	-	-	-	-	-	-	27	283,406	100.0
Wil C	8	138,629	100.0	-	-	-	-	-	-	-	-	-	-	-	-	8	138,629	100.0
WSSC	26	481,541	100.0	-	-	-	-	-	-	-	-	-	-	-	-	26	481,541	100.0
Subtotal	184	3,000,212	95.1	1	7,945	0.2	2	102,244	3.2	2	45,890	1.5	-	-	-	189	3,156,291	100.0
Private Universities:																		
Subtotal	148	5,777,390	98.9	2	56,095	1.0	1	9,396	0.1	-	-	-	-	-	-	151	5,842,881	100.0
Private 4-Year Colleges:																		
Subtotal	804	9,871,428	95.4	4	56,647	0.5	62	338,350	3.3	3	82,421	0.8	-	-	-	873	10,348,846	100.0
Private 2-Year Colleges:																		
Subtotal	258	2,623,676	93.4	3	10,432	0.4	9	83,371	2.9	17	91,889	3.3	-	-	-	287	2,809,368	100.0
Community College System:																		
Com. Coll.'s	63	1,127,585	98.7	-	-	-	4	14,362	1.3	-	-	-	-	-	-	67	1,141,947	100.0
Tech. Inst.'s	99	1,115,581	76.4	22	110,252	7.5	45	203,892	14.0	2	10,432	0.7	4	20,976	1.4	172	1,461,133	100.0
Subtotal	162	2,243,166	86.2	22	110,252	4.2	49	218,254	8.4	2	10,432	0.4	4	20,976	0.8	239	2,603,080	100.0
GRAND TOTAL	2,120	41,562,278	97.0	68	301,633	0.7	123	751,615	1.8	24	230,632	0.5	4	20,976	0.1-	2,339	42,867,134	100.0

Table 2

Capital Investment In Buildings And Gross Square Feet By Residential And Non-Residential Categories

Fall 1968

INSTITUTION	ACTUAL CAPITAL INVESTMENT									GROSS SQUARE FEET								
	Non-Residential			Residential			Total			Non-Residential			Residential			Total		
	No. of Bldgs.	Dollars	%	No. of Bldgs.	Dollars	%	No. of Bldgs.	Dollars	%	No. of Bldgs.	Gross Sq. Ft.	%	No. of Bldgs.	Gross Sq. Ft.	%	No. of Bldgs.	Gross Sq. Ft.	%
Consolidated University:																		
UNC-CH	96	39,713,000	67.0	55	19,526,000	33.0	151	59,239,000	100.0	96	2,594,286	57.0	55	1,956,790	43.0	151	4,551,076	100.0
UNC-CH(HA)	64	20,676,000	98.6	1	294,000	1.4	65	20,970,000	100.0	64	1,045,540	97.9	1	22,220	2.1	65	1,067,760	100.0
NCSU	54	36,285,000	71.9	28	14,200,000	28.1	82	50,485,000	100.0	54	2,905,333	68.7	28	1,322,384	31.3	82	4,227,717	100.0
UNC-G	42	16,622,000	58.0	27	12,046,000	42.0	69	28,668,000	100.0	42	1,118,512	57.6	27	823,423	42.4	69	1,941,935	100.0
UNC-C	10	5,231,000	100.0	-	-	-	10	5,231,000	100.0	10	368,352	100.0	-	-	-	10	368,352	100.0
Subtotal	266	118,527,000	72.0	111	46,066,000	28.0	377	164,593,000	100.0	266	8,032,023	66.1	111	4,124,817	33.9	377	12,156,840	100.0
Regional Universities:																		
A&TU	52	11,853,000	75.2	17	3,900,000	24.8	69	15,753,000	100.0	52	862,343	65.0	17	463,594	35.0	69	1,325,937	100.0
ASU	26	14,387,000	57.9	29	10,455,000	42.1	55	24,842,000	100.0	26	916,767	55.6	29	731,418	44.4	55	1,648,185	100.0
ECU	35	15,765,000	57.2	17	11,784,000	42.8	52	27,549,000	100.0	35	938,530	50.2	17	929,479	49.8	52	1,868,009	100.0
WCU	25	8,623,000	64.3	22	4,783,000	35.7	47	13,406,000	100.0	25	622,310	56.2	22	485,387	43.8	47	1,107,697	100.0
Subtotal	138	50,628,000	62.1	85	30,922,000	37.9	223	81,550,000	100.0	138	3,339,950	56.1	85	2,609,878	43.9	223	5,949,828	100.0
Public Senior Colleges:																		
A-BC	9	2,842,000	78.1	8	795,000	21.9	17	3,637,000	100.0	9	185,548	79.0	8	49,380	21.0	17	234,928	100.0
ECSC	14	2,258,000	70.5	23	943,000	29.5	37	3,201,000	100.0	14	206,303	59.2	23	142,117	40.8	37	348,420	100.0
FSC	17	3,136,000	61.7	13	1,945,000	38.3	30	5,081,000	100.0	17	202,135	40.8	13	293,609	59.2	30	495,744	100.0
NCC-D	24	7,114,000	58.0	15	5,148,000	32.0	39	12,262,000	100.0	24	522,720	51.4	15	494,824	48.6	39	1,017,544	100.0
NCSA	3	-	-	2	-	-	5	-	-	3	110,189	70.6	2	45,890	29.4	5	156,079	100.0
PSC	22	2,330,000	68.7	5	1,063,000	31.3	27	3,393,000	100.0	22	192,054	67.8	5	91,352	32.2	27	283,406	100.0
Wil C	8	2,043,000	100.0	-	-	-	8	2,043,000	100.0	8	138,629	100.0	-	-	-	8	138,629	100.0
WSSC	17	4,055,000	68.2	9	1,890,000	31.8	26	5,945,000	100.0	17	285,670	59.3	9	195,871	40.7	26	481,541	100.0
Subtotal	114	23,778,000	66.9	75	11,784,000	33.1	189	35,562,000	100.0	114	1,843,248	58.4	75	1,313,043	41.6	189	3,156,291	100.0
Private Universities:																		
Subtotal	93	87,879,000	79.5	58	22,600,000	20.5	151	110,479,000	100.0	93	4,039,323	69.1	58	1,803,558	30.9	151	5,842,881	100.0
Private 4-Year Colleges:																		
Subtotal	408	76,371,000	58.2	465	54,944,000	41.8	873	131,315,000	100.0	408	5,680,572	54.9	465	4,668,274	45.1	873	10,348,846	100.0
Private 2-Year Colleges:																		
Subtotal	139	14,293,000	52.8	148	12,784,000	47.2	287	27,077,000	100.0	139	1,393,270	49.6	148	1,416,098	50.4	287	2,809,368	100.0
Community College System:																		
Com. Coll.'s	66	17,936,000	99.7	1	52,000	0.3	67	17,988,000	100.0	66	1,136,602	99.5	1	5,345	0.5	67	1,141,947	100.0
Tech. Inst.'s	172	13,958,000	100.0	-	-	-	172	13,958,000	100.0	172	1,461,133	100.0	-	-	-	172	1,461,133	100.0
Subtotal	238	31,894,000	99.8	1	52,000	0.2	239	31,946,000	100.0	238	2,597,735	99.8	1	5,345	0.2	239	2,603,080	100.0
GRAND TOTAL	1,396	403,370,000	69.2	943	179,152,000	30.8	2,339	582,522,000	100.0	1,396	26,926,121	62.8	943	15,941,013	37.2	2,339	42,867,134	100.0

Table 3

Estimated Replacement Value of Buildings and Gross Square Feet

By Residential and Non-Residential Categories

Fall 1968

INSTITUTION	NON-RESIDENTIAL Gross Sq. Ft.	NON-RESIDENTIAL Actual Capital Investment	NON-RESIDENTIAL Estimated Replacement Value	NON-RESIDENTIAL %	RESIDENTIAL Gross Sq. Ft.	RESIDENTIAL Actual Capital Investment	RESIDENTIAL Estimated Replacement Value	RESIDENTIAL %	TOTAL Gross Sq. Ft.	TOTAL Actual Capital Investment	TOTAL Estimated Replacement Value	TOTAL %
Consolidated University:												
UNC-CH	2,594,286	39,713,000	70,758,000	64.8	1,956,790	19,526,000	38,439,000	35.2	4,551,076	59,239,000	109,197,000	100.0
UNC-CH(HA)	1,045,540	20,676,000	35,643,000	98.8	22,220	294,000	440,000	1.2	1,067,760	20,970,000	36,083,000	100.0
NCSU	2,905,333	36,285,000	68,568,000	72.2	1,322,384	14,200,000	26,411,000	27.8	4,227,717	50,485,000	94,979,000	100.0
UNC-G	1,118,512	16,622,000	19,288,000	59.6	823,423	12,046,000	13,059,000	40.4	1,941,935	28,668,000	32,347,000	100.0
UNC-C	368,352	5,231,000	7,744,000	100.0	-	-	-	-	368,352	5,231,000	7,744,000	100.0
Subtotal	8,032,023	118,527,000	202,001,000	72.1	4,124,817	46,066,000	78,349,000	27.9	12,156,840	164,593,000	280,350,000	100.0
Regional Universities:												
A&TU	862,343	11,853,000	16,731,000	71.9	463,594	3,900,000	6,550,000	28.1	1,325,937	15,753,000	23,281,000	100.0
ASU	916,767	14,387,000	19,539,000	60.1	731,418	10,455,000	12,978,000	39.9	1,648,185	24,842,000	32,517,000	100.0
ECU	938,530	15,765,000	26,535,000	60.7	929,479	11,784,000	17,154,000	39.3	1,868,009	27,549,000	43,689,000	100.0
WCU	622,310	8,623,000	10,742,000	61.6	485,387	4,783,000	6,709,000	38.4	1,107,697	13,406,000	17,451,000	100.0
Subtotal	3,339,950	50,628,000	73,547,000	62.9	2,609,878	30,922,000	43,391,000	37.1	5,949,828	81,550,000	116,938,000	100.0
Public Senior Colleges:												
A-BC	185,548	2,842,000	3,325,000	79.5	49,380	795,000	858,000	20.5	234,928	3,637,000	4,183,000	100.0
ECSC	206,303	2,258,000	3,413,000	60.3	142,117	943,000	2,249,000	39.7	348,420	3,201,000	5,662,000	100.0
FSC	202,135	3,136,000	5,772,000	64.7	293,609	1,945,000	3,154,000	35.3	495,744	5,081,000	8,926,000	100.0
NCC-D	522,720	7,114,000	10,232,000	59.9	494,824	5,148,000	6,852,000	40.1	1,017,544	12,262,000	17,084,000	100.0
NCSA	110,189	-	2,571,000	74.1	45,890	-	900,000	25.9	156,079	-	3,471,000	100.0
PSC	192,054	2,330,000	2,375,000	69.1	91,352	1,063,000	1,063,000	30.9	283,406	3,393,000	3,438,000	100.0
Wil C	138,629	2,043,000	2,083,000	100.0	-	-	-	-	138,629	2,043,000	2,083,000	100.0
WSSC	285,670	4,055,000	7,874,000	74.0	195,871	1,890,000	2,760,000	26.0	481,541	5,945,000	10,634,000	100.0
Subtotal	1,843,248	23,778,000	37,645,000	67.9	1,313,043	11,784,000	17,836,000	32.1	3,156,291	35,562,000	55,481,000	100.0
Private Universities:												
Subtotal	4,039,323	87,879,000	129,088,000	80.3	1,803,558	22,600,000	31,710,000	19.7	5,842,881	110,479,000	160,798,000	100.0
Private 4-Year Colleges:												
Subtotal	5,680,572	76,371,000	117,413,000	58.9	4,668,274	54,944,000	81,865,000	41.1	10,348,846	131,315,000	199,278,000	100.0
Private 2-Year Colleges:												
Subtotal	1,393,270	14,293,000	22,306,000	52.5	1,416,098	12,784,000	20,208,000	47.5	2,809,368	27,077,000	42,514,000	100.0
Community College System:												
Com. Coll.'s	1,136,602	17,936,000	22,980,000	99.7	5,345	52,000	60,000	0.3	1,141,947	17,988,000	23,040,000	100.0
Tech. Inst.'s	1,461,133	13,958,000	24,252,000	100.0	-	-	-	-	1,461,133	13,958,000	24,252,000	100.0
Subtotal	2,597,735	31,894,000	47,232,000	99.9	5,345	52,000	60,000	0.1	2,603,080	31,946,000	47,292,000	100.0
GRAND TOTAL	26,926,121	403,370,000	629,232,000	69.7	15,941,013	179,152,000	273,419,000	30.3	42,867,134	582,522,000	902,651,000	100.0

Table 4

Age Of Buildings, Reported By Gross Square Feet Per Age Classification.

(Includes All Space, Owned And Not Owned)
Fall 1968

INSTITUTION	Unknown	%	69 Years And Older	%	30-68 Years	%	20-29 Years	%	9-19 Years	%	9 Years Or Less	%	Total	%
Consolidated University:														
UNC-CH	104,730	2.3	166,900	3.7	1,686,698	37.1	397,632	8.7	497,660	10.9	1,697,456	37.3	4,551,076	100.0
UNC-CH(HA)	23,135	2.2	-	-	118,841	11.1	49,641	4.6	585,769	54.9	290,374	27.2	1,067,760	100.0
NCSU	-	-	44,407	1.1	1,394,474	33.0	478,599	11.3	1,167,542	27.6	1,142,695	27.0	4,227,717	100.0
UNC-G	7,288	0.4	27,172	1.4	936,457	48.2	59,837	3.1	432,487	22.3	478,694	24.6	1,941,935	100.0
UNC-C	-	-	-	-	-	-	-	-	-	-	368,352	100.0	368,352	100.0
Subtotal	135,153	1.1	238,479	2.0	4,136,470	34.0	985,709	8.1	2,683,458	22.1	3,977,571	32.7	12,156,840	100.0
Regional Universities:														
A&TU	-	-	-	-	230,293	17.4	77,687	5.8	711,925	53.7	306,032	23.1	1,325,937	100.0
ASU	-	-	-	-	168,287	10.2	92,482	5.6	368,663	22.4	1,018,753	61.8	1,648,185	100.0
ECU	-	-	-	-	479,294	25.7	44,630	2.4	482,527	25.8	861,558	46.1	1,868,009	100.0
WCU	-	-	-	-	120,587	10.9	136,577	12.3	346,198	31.3	504,335	45.5	1,107,697	100.0
Subtotal	-	-	-	-	998,461	16.8	351,376	5.9	1,909,313	32.1	2,690,678	45.2	5,949,828	100.0
Public Senior Colleges:														
A-BC	-	-	-	-	-	-	-	-	-	-	234,928	100.0	234,928	100.0
ECSC	14,587	4.2	-	-	125,502	36.0	58,263	16.7	73,087	21.0	76,981	22.1	348,420	100.0
FSC	-	-	-	-	191,204	38.6	8,008	1.6	98,467	19.9	198,065	39.9	495,744	100.0
NCC-D	-	-	-	-	237,076	23.3	35,351	3.5	454,291	44.6	290,826	28.6	1,017,544	100.0
NCSA	-	-	-	-	-	-	-	-	-	-	156,079	100.0	156,079	100.0
PSC	-	-	-	-	25,490	9.0	25,000	8.8	36,325	12.8	196,591	69.4	283,406	100.0
Wil C	-	-	-	-	-	-	-	-	-	-	138,629	100.0	138,629	100.0
WSSC	31,973	6.6	-	-	229,609	47.7	-	-	66,356	13.8	153,603	31.9	481,541	100.0
Subtotal	46,560	1.5	-	-	808,881	25.6	126,622	4.0	728,526	23.1	1,445,702	45.8	3,156,291	100.0
Private Universities:														
Subtotal	57,258	0.9	34,538	0.6	2,470,088	42.3	307,267	5.3	1,713,929	29.3	1,259,801	21.6	5,842,881	100.0
Private 4-Year Colleges:														
Subtotal	155,264	1.5	543,657	5.2	2,537,732	24.5	895,232	8.7	1,807,062	17.5	4,409,899	42.6	10,348,846	100.0
Private 2-Year Colleges:														
Subtotal	140,923	5.0	173,308	6.2	606,784	21.6	238,425	8.5	452,599	16.1	1,197,329	42.6	2,809,368	100.0
Community College System:														
Com. Coll.'s	16,089	1.4	-	-	123,778	10.8	24,841	2.2	36,618	3.2	940,621	82.4	1,141,947	100.0
Tech. Inst.'s	146,932	10.0	-	-	126,557	8.7	29,417	2.0	196,683	13.5	961,544	65.8	1,461,133	100.0
Subtotal	163,021	6.2	-	-	250,335	9.6	54,258	2.1	233,301	9.0	1,902,165	73.1	2,603,080	100.0
GRAND TOTAL	698,179	1.6	989,982	2.3	11,808,751	27.6	2,958,889	6.9	9,528,188	22.2	16,883,145	39.4	42,867,134	100.0

Table 5

Condition Of Buildings As Reported By Institution
(Includes All Space, Owned And Not Owned)
Fall 1968

INSTITUTION	SATISFACTORY Gross Sq. Ft.	SATISFACTORY %	NEEDS MAJOR REHABILITIATION Gross Sq. Ft.	NEEDS MAJOR REHABILITIATION %	SHOULD BE RAZED Gross Sq. Ft.	SHOULD BE RAZED %	TOTAL Gross Sq. Ft.	TOTAL %
Consolidated University:								
UNC-CH	4,385,358	96.4	-	-	165,718	3.6	4,551,076	100.0
UNC-CH(HA)	1,052,966	98.6	-	-	14,794	1.4	1,067,760	100.0
NCSU	3,672,267	86.9	289,805	6.8	265,645	6.3	4,227,717	100.0
UNC-G	1,825,522	94.0	63,846	3.3	52,567	2.7	1,941,935	100.0
UNC-C	368,352	100.0	-	-	-	-	368,352	100.0
Subtotal	11,304,465	93.0	353,651	2.9	498,724	4.1	12,156,840	100.0
Regional Universities:								
A&TU	1,210,679	91.3	101,153	7.6	14,105	1.1	1,325,937	100.0
ASU	1,619,851	98.3	-	-	28,334	1.7	1,648,185	100.0
ECU	1,816,337	97.2	51,672	2.8	-	-	1,868,009	100.0
WCU	1,067,452	96.4	20,317	1.8	19,928	1.8	1,107,697	100.0
Subtotal	5,714,319	96.1	173,142	2.9	62,367	1.0	5,949,828	100.0
Public Senior Colleges:								
A-BC	234,928	100.0	-	-	-	-	234,928	100.0
ECSC	228,368	65.5	93,386	26.8	26,666	7.7	348,420	100.0
FSC	453,617	91.5	12,582	2.5	29,545	6.0	495,744	100.0
NCC-D	848,338	83.4	164,302	16.1	4,904	0.5	1,017,544	100.0
NCSA	156,079	100.0	-	-	-	-	156,079	100.0
PSC	257,916	91.0	-	-	25,490	9.0	283,406	100.0
Wil C	138,629	100.0	-	-	-	-	138,629	100.0
WSSC	321,417	66.8	107,954	22.4	52,170	10.8	481,541	100.0
Subtotal	2,639,292	83.6	378,224	12.0	138,775	4.4	3,156,291	100.0
Private Universities:								
Subtotal	5,243,124	89.8	455,693	7.8	144,064	2.4	5,842,881	100.0
Private 4-Year Colleges:								
Subtotal	8,899,207	86.0	841,100	8.1	608,539	5.9	10,348,846	100.0
Private 2-Year Colleges:								
Subtotal	2,316,077	82.5	410,874	14.6	82,417	2.9	2,809,368	100.0
Community College System:								
Com. Coll.'s	1,088,679	95.3	30,645	2.7	22,623	2.0	1,141,947	100.0
Tech. Inst.'s	1,207,086	82.6	85,953	5.9	168,094	11.5	1,461,133	100.0
Subtotal	2,295,765	88.2	116,598	4.5	190,717	7.3	2,603,080	100.0
GRAND TOTAL	38,412,249	89.6	2,729,282	6.4	1,725,603	4.0	42,867,134	100.0

Projection For Demolition Of Buildings

Table 6

Fall 1968

INSTITUTION	GROSS SQUARE FEET TO BE DEMOLISHED DURING FISCAL YEARS				
	1968-1969	1970-1971	1972-1973	1974-1975	1976
Consolidated University:					
UNC-CH	20,716	27,335	-	90,258	-
UNC-CH(HA)	-	-	-	-	-
NCSU	-	38,545	66,891	81,163	-
UNC-G	2,873	14,116	8,406	32,406	-
UNC-C	-	-	-	-	-
Subtotal	23,589	79,996	75,297	203,827	-
Regional Universities:					
A&TU	-	22,860	-	-	-
ASU	28,334	-	-	-	-
ECU	-	13,320	-	-	-
WCU	-	-	-	-	-
Subtotal	28,334	36,180	-	-	-
Public Senior Colleges:					
A-BC	-	-	-	-	-
ECSC	-	2,751	-	-	-
FSC	-	-	-	29,568	-
NCC-D	-	-	-	-	-
NCSA	-	-	-	-	-
PSC	25,490	-	-	-	-
Wil C	-	-	-	-	-
WSSC	-	2,990	6,216	-	-
Subtotal	25,490	5,741	6,216	29,568	-

Projection For Demolition Of Buildings
(continued)

Table 6

Fall 1968

INSTITUTION	GROSS SQUARE FEET TO BE DEMOLISHED DURING FISCAL YEARS				
	1968-1969	1970-1971	1972-1973	1974-1975	1976
Private Universities:					
Subtotal	1,565	50,227	50,147	85,323	-
Private 4-Year Colleges:					
Subtotal	147,227	85,154	40,858	62,178	-
Private 2-Year Colleges:					
Subtotal	30,811	12,057	-	23,256	-
Community College System:					
Com. Coll.'s	-	-	1,400	-	-
Tech. Inst.'s	8,229	4,905	9,702	40,799	-
Subtotal	8,229	4,905	11,102	40,799	-
GRAND TOTAL	265,245	274,260	183,620	444,951	-

Table 7

Source Of Funds For Building Construction* For Buildings Initially Occupied After June 30, 1964 (By Specific Source Category) Fall 1968

INSTITUTION	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total
	Specific Source Category Code**																								
Consolidated University:																									
UNC-CH	903	-	639	731	192	1,114	-	-	-	4,645	-	1,689	5,544	-	-	-	-	-	1,409	-	540	-	-	-	17,406
UNC-CH(HA)	400	-	-	-	492	-	-	-	-	-	-	-	-	-	-	-	-	301	31	-	561	-	-	-	1,785
NCSU	2,327	-	-	-	-	1,396	39	-	-	-	-	-	-	-	6,566	-	479	1,040	-	-	-	639	-	116	12,602
UNC-G	1,214	-	-	-	-	-	-	-	-	-	-	-	3,373	-	-	-	-	-	-	-	-	-	-	-	4,587
UNC-C	2,362	-	340	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,702
Subtotal	7,206	-	979	731	684	2,510	39	-	-	4,645	-	1,689	8,917	-	6,566	-	479	1,341	1,440	-	1,101	639	-	116	39,082
Regional Universities:																									
A&TU	1,752	-	-	742	-	-	-	-	-	-	-	-	-	-	412	937	-	-	-	-	46	-	-	-	3,889
ASU	5,731	-	1,175	-	-	-	-	-	-	-	-	30	-	-	-	-	7,913	-	626	-	-	-	-	-	15,475
ECU	5,005	-	-	-	506	-	-	-	-	-	-	-	-	-	4,411	1,640	-	180	-	-	-	-	-	236	11,978
WCU	3,164	-	-	-	-	-	-	-	-	-	-	-	-	-	2,237	-	-	-	-	-	-	-	-	-	5,401
Subtotal	15,652	-	1,175	742	506	-	-	-	-	-	-	30	-	-	7,060	2,577	7,913	180	626	-	46	-	-	236	36,743
Public Senior Colleges:																									
A-BC	2,784	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,784
ECSC	796	-	205	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,001
FSC	1,666	-	752	-	-	-	-	-	-	-	-	-	-	-	1,035	-	-	-	-	-	-	-	-	-	3,453
NCC-D	2,201	-	-	-	-	-	-	-	-	-	-	-	-	-	1,543	-	-	-	-	-	-	-	-	-	3,744
NCSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PSC	1,742	-	-	411	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	205	-	-	2,358
Wil C	1,028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,028
WSSC	1,732	-	163	-	-	-	-	-	-	-	-	-	-	-	553	-	-	-	-	-	-	-	-	-	2,448
Subtotal	11,949	-	1,120	411	-	-	-	-	-	-	-	-	-	-	3,131	-	-	-	-	-	-	205	-	-	16,816
Private Universities:																									
Subtotal	622	-	-	327	3,932	2,253	-	-	-	-	-	-	-	-	2,933	-	-	3,960	3	3,414	8,024	2,000	4,425	-	31,893
Private 4-Year Colleges:																									
Subtotal	-	1,884	3,941	342	-	-	159	-	-	-	-	-	-	2,111	9,061	-	1,454	13,612	2,627	-	1,711	8,467	-	-	45,369
Private 2-Year Colleges:																									
Subtotal	-	-	630	190	-	-	-	-	-	-	-	-	245	1,389	3,091	-	-	3,231	418	121	214	2,135	-	121	11,785
Community College System:																									
Com. Coll.'s	4,983	3,634	5,897	-	-	-	160	-	79	-	-	1,306	-	-	-	-	-	-	-	-	-	-	-	-	16,059
Tech. Inst.'s	2,660	3,288	-	-	-	-	950	190	809	-	-	507	-	-	-	-	-	35	6	-	-	-	-	946	9,391
Subtotal	7,643	6,922	5,897	-	-	-	1,110	190	888	-	-	1,813	-	-	-	-	-	35	6	-	-	-	-	946	25,450
GRAND TOTAL	43,072	8,806	13,742	2,743	5,122	4,763	1,308	190	888	4,645	-	3,532	9,162	3,500	31,842	2,577	9,846	22,359	5,120	3,535	11,096	13,446	4,425	1,419	207,138

*In thousands of dollars
**See Appendix C, p. 149

Table 8

Source Of Funds For Building Construction For Buildings Initially Occupied After June 30, 1964 (By General Source Category)

Fall 1968

INSTITUTION	State & Local Govt. Appropriations (01-02) Dollars	%	Federal Govt. Grants (03-07) Dollars	%	Direct Tax Levy (08-09) Dollars	%	Gen. Obligation Bonds (10-14) Dollars	%	Revenue Bonds (15-16) Dollars	%	Other (17-24) Dollars	%	Total (01-24) Dollars	%
Consolidated University:														
UNC-CH	903,000	5.2	2,676,000	15.4	-	-	11,878,000	68.2	-	-	1,949,000	11.2	17,406,000	100.0
UNC-CH(HA)	400,000	22.4	492,000	27.5	-	-	-	-	-	-	894,000	50.1	1,786,000	100.0
NCSU	2,327,000	18.5	1,435,000	11.4	-	-	-	-	6,566,000	52.1	2,274,000	18.0	12,602,000	100.0
UNC-G	1,214,000	26.5	-	-	-	-	3,373,000	73.5	-	-	-	-	4,587,000	100.0
UNC-C	2,362,000	87.4	340,000	12.6	-	-	-	-	-	-	-	-	2,702,000	100.0
Subtotal	7,206,000	18.4	4,943,000	12.7	-	-	15,251,000	39.0	6,566,000	16.8	5,117,000	13.1	39,083,000	100.0
Regional Universities:														
A&TU	1,752,000	45.0	742,000	19.1	-	-	-	-	1,349,000	34.7	46,000	1.2	3,889,000	100.0
ASU	5,731,000	37.0	1,175,000	7.6	-	-	30,000	0.2	-	-	8,539,000	55.2	15,475,000	100.0
ECU	5,005,000	41.8	506,000	4.2	-	-	-	-	6,051,000	50.5	416,000	3.5	11,978,000	100.0
WCU	3,164,000	58.6	-	-	-	-	-	-	2,237,000	41.4	-	-	5,401,000	100.0
Subtotal	15,652,000	42.6	2,423,000	6.6	-	-	30,000	0.1	9,637,000	26.2	9,001,000	24.5	36,743,000	100.0
Public Senior Colleges:														
A-BC	2,784,000	100.0	-	-	-	-	-	-	-	-	-	-	2,784,000	100.0
ECSC	796,000	79.5	205,000	20.5	-	-	-	-	-	-	-	-	1,001,000	100.0
FSC	1,666,000	48.2	752,000	21.8	-	-	-	-	1,035,000	30.0	-	-	3,453,000	100.0
NCC-D	2,201,000	58.8	-	-	-	-	-	-	1,543,000	41.2	-	-	3,744,000	100.0
NCSA	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PSC	1,742,000	73.9	411,000	17.4	-	-	-	-	-	-	205,000	8.7	2,358,000	100.0
Wil C	1,028,000	100.0	-	-	-	-	-	-	-	-	-	-	1,028,000	100.0
WSSC	1,732,000	70.8	163,000	6.6	-	-	-	-	553,000	22.6	-	-	2,448,000	100.0
Subtotal	11,949,000	71.1	1,531,000	9.1	-	-	-	-	3,131,000	18.6	205,000	1.2	16,816,000	100.0
Private Universities:														
Subtotal	622,000	2.0	6,512,000	20.4	-	-	-	-	2,933,000	9.2	21,826,000	68.4	31,893,000	100.0
Private 4-Year Colleges:														
Subtotal	1,884,000	4.2	4,442,000	9.8	-	-	2,111,000	4.6	9,061,000	20.0	27,871,000	61.4	45,369,000	100.0
Private 2-Year Colleges:														
Subtotal	-	-	820,000	7.0	-	-	1,634,000	13.9	3,091,000	26.2	6,240,000	52.9	11,785,000	100.0
Community College System:														
Com. Coll.'s	8,617,000	53.7	6,057,000	37.7	79,000	0.5	1,306,000	8.1	-	-	-	-	16,059,000	100.0
Tech. Inst.'s	5,948,000	63.4	950,000	10.1	999,000	10.6	507,000	5.4	-	-	987,000	10.5	9,391,000	100.0
Subtotal	14,565,000	57.2	7,007,000	27.6	1,078,000	4.2	1,813,000	7.1	-	-	987,000	3.9	25,450,000	100.0
GRAND TOTAL	51,878,000	25.0	27,678,000	13.4	1,078,000	0.5	20,839,000	10.1	34,419,000	16.6	71,247,000	34.4	207,139,000	100.0

Gross Square Footage Of Buildings Classified By Percent Of Air Conditioning

Table 9

Fall 1968

INSTITUTION	Bldgs. With 0% Air Cond.		Bldgs. With 1-9% Air Cond.		Bldgs. With 10-24% Air Cond.		Bldgs. With 25-49% Air Cond.		Bldgs. With 50-74% Air Cond.		Bldgs. With 75-100% Air Cond.		Total	
	Gross Sq. Ft.	%	Gross Sq. Ft.	%	Gross Sq. Ft.	%	Gross Sq. Ft.	%	Gross Sq. Ft.	%	Gross Sq. Ft.	%	Gross Sq. Ft.	%
Consolidated University:														
UNC-CH	2,211,558	48.6	486,869	10.7	210,225	4.6	229,624	5.1	120,363	2.6	1,292,437	28.4	4,551,076	100.0
UNC-CH(HA)	113,433	10.6	-	-	-	-	121,156	11.4	-	-	833,171	78.0	1,067,760	100.0
NCSU	1,352,209	32.0	113,279	2.7	127,443	3.0	947,816	22.4	487,623	11.5	1,199,347	28.4	4,227,717	100.0
UNC-G	1,078,554	55.6	396,837	20.4	40,392	2.1	-	-	-	-	426,152	21.9	1,941,935	100.0
UNC-C	10,822	2.9	-	-	-	-	-	-	-	-	357,530	97.1	368,352	100.0
Subtotal	4,766,576	39.2	996,985	8.2	378,060	3.1	1,298,596	10.7	607,986	5.0	4,108,637	33.8	12,156,840	100.0
Regional Universities:														
A&TU	628,180	47.4	316,981	23.9	70,276	5.3	39,841	3.0	9,298	0.7	261,361	19.7	1,325,937	100.0
ASU	1,489,015	90.3	-	-	23,040	1.4	-	-	-	-	136,130	8.3	1,648,185	100.0
ECU	1,195,641	64.0	11,744	0.6	109,068	5.8	91,472	5.0	88,598	4.7	371,486	19.9	1,868,009	100.0
WCU	948,254	85.6	159,443	14.4	-	-	-	-	-	-	-	-	1,107,697	100.0
Subtotal	4,261,090	71.6	488,168	8.2	202,384	3.4	131,313	2.2	97,896	1.7	768,977	12.9	5,949,828	100.0
Public Senior Colleges:														
A-BC	165,580	70.5	-	-	27,222	11.6	-	-	-	-	42,126	17.9	234,928	100.0
ECSC	189,272	54.3	41,483	11.9	54,856	15.7	30,739	8.9	3,180	0.9	28,890	8.3	348,420	100.0
FSC	331,288	66.8	42,127	8.5	49,408	10.0	-	-	3,375	0.7	69,546	14.0	495,744	100.0
NCC-D	645,833	63.5	197,419	19.4	32,000	3.1	7,756	0.8	16,249	1.6	118,287	11.6	1,017,544	100.0
NCSA	71,093	45.5	-	-	-	-	84,986	54.5	-	-	-	-	156,079	100.0
PSC	187,397	66.1	-	-	-	-	-	-	-	-	96,009	33.9	283,406	100.0
Wil C	7,100	5.1	5,068	3.7	-	-	-	-	-	-	126,461	91.2	138,629	100.0
WSSC	358,091	74.4	50,384	10.5	16,158	3.3	-	-	5,951	1.2	50,957	10.6	481,541	100.0
Subtotal	1,955,654	62.0	336,481	10.7	179,644	5.6	123,481	3.9	28,755	0.9	532,276	16.9	3,156,291	100.0
Private Universities:														
Subtotal	1,930,922	33.1	158,320	2.7	347,472	5.9	546,995	9.4	671,282	11.5	2,187,890	37.4	5,842,881	100.0
Private 4-Year Colleges:														
Subtotal	6,145,363	59.4	588,225	5.7	203,119	2.0	217,599	2.1	130,453	1.2	3,064,087	29.6	10,348,846	100.0
Private 2-Year Colleges:														
Subtotal	1,849,490	65.8	210,978	7.5	100,804	3.6	73,579	2.6	4,656	0.2	569,861	20.3	2,809,368	100.0
Community College System:														
Com. Coll.'s	121,125	10.6	32,085	2.8	-	-	60,331	5.3	63,181	5.5	865,225	75.8	1,141,947	100.0
Tech. Inst.'s	349,335	23.9	185,130	12.7	78,646	5.4	108,221	7.4	230,680	15.8	509,121	34.8	1,461,133	100.0
Subtotal	470,460	18.1	217,215	8.3	78,646	3.0	168,552	6.5	293,861	11.3	1,374,346	52.8	2,603,080	100.0
GRAND TOTAL	21,379,555	50.0	2,996,372	6.9	1,490,129	3.5	2,560,115	5.9	1,834,889	4.3	12,606,074	29.4	42,867,134	100.0

Gross Square Footage Of Buildings As Classified In National Shelter Survey

Table 10

Fall 1968

INSTITUTION	Not Included In National Shelter Survey		Included In National Shelter Survey, But Not Licensed As Fallout Shelter		Licensed As Fallout Shelter, But Not Stocked With Supplies		Licensed As Fallout Shelter And Stocked With Supplies		Total	
	Gross Sq. Ft.	%	Gross Sq. Ft.	%	Gross Sq. Ft.	%	Gross Sq. Ft.	%	Gross Sq. Ft.	%
Consolidated University:										
UNC-CH	2,438,111	53.6	20,328	0.4	625,102	13.7	1,467,535	32.3	4,551,076	100.0
UNC-CH(HA)	221,185	20.7	-	-	-	-	846,575	79.3	1,067,760	100.0
NCSU	-	-	1,791,370	42.4	1,786,877	42.2	649,470	15.4	4,227,717	100.0
UNC-G	95,700	4.9	864,416	44.5	102,834	5.3	878,985	45.3	1,941,935	100.0
UNC-C	67,171	18.2	-	-	301,181	81.8	-	-	368,352	100.0
Subtotal	2,822,167	23.2	2,676,114	22.0	2,815,994	23.2	3,842,565	31.6	12,156,840	100.0
Regional Universities:										
A&TU	131,360	9.9	813,170	61.3	-	-	381,407	28.8	1,325,937	100.0
ASU	-	-	1,648,185	100.0	-	-	-	-	1,648,185	100.0
ECU	90,979	4.9	795,203	42.5	416,390	22.3	565,437	30.3	1,868,009	100.0
WCU	44,300	4.0	984,492	88.9	78,905	7.1	-	-	1,107,697	100.0
Subtotal	266,639	4.5	4,241,050	71.3	495,295	8.3	946,844	15.9	5,949,828	100.0
Public Senior Colleges:										
A-BC	3,240	1.4	56,389	24.0	52,751	22.4	122,548	52.2	234,928	100.0
ECSC	-	-	97,516	28.0	-	-	250,904	72.0	348,420	100.0
FSC	75,661	15.3	301,041	60.7	-	-	119,042	24.0	495,744	100.0
NCC-D	-	-	433,801	42.6	169,578	16.7	414,165	40.7	1,017,544	100.0
NCSA	7,945	5.1	63,148	40.4	-	-	84,986	54.5	156,079	100.0
PSC	-	-	267,785	94.5	-	-	15,621	5.5	283,406	100.0
Wil C	5,068	3.7	133,561	96.3	-	-	-	-	138,629	100.0
WSSC	-	-	417,968	86.8	-	-	63,573	13.2	481,541	100.0
Subtotal	91,914	2.9	1,771,209	56.1	222,329	7.1	1,070,839	33.9	3,156,291	100.0
Private Universities:										
Subtotal	106,587	1.8	1,944,303	33.3	106,162	1.8	3,685,829	63.1	5,842,881	100.0
Private 4-Year Colleges:										
Subtotal	450,590	4.4	8,541,606	82.5	183,314	1.8	1,173,336	11.3	10,348,846	100.0
Private 2-Year Colleges:										
Subtotal	105,409	3.7	2,494,113	88.8	121,125	4.3	88,721	3.2	2,809,368	100.0
Community College System:										
Com. Coll.'s	475,652	41.6	405,531	35.5	97,887	8.6	162,877	14.3	1,141,947	100.0
Tech. Inst.'s	482,504	33.0	969,074	66.3	9,555	0.7	-	-	1,461,133	100.0
Subtotal	958,156	36.8	1,374,605	52.8	107,442	4.1	162,877	6.3	2,603,080	100.0
GRAND TOTAL	4,801,462	11.2	23,043,000	53.8	4,051,661	9.4	10,971,011	25.6	42,867,134	100.0

III. Interior Space Characteristics

Whereas Chapter II was devoted to a description and analysis of facilities for higher education in terms of gross building area, the discussion and tables which follow deal with the functional aspects of these same facilities with respect to net assignable area. In this connotation, "net assignable area" or "net assignable square feet" (NASF) means the sum of all interior areas on all floors of a building assigned to, or available for assignment to an occupant, including every type of space functionally usable by an occupant. Moreover, it includes all such described space in all buildings, both residential and non-residential, regardless of whether owned, leased, rented, made available at nominal or no cost, being purchased, or shared. It does not include such spaces as circulation areas, custodial areas, mechanical areas, and construction area -- all of which are non-assignable.

Net-To-Gross Ratio

Reporting as of September 30, 1968, institutions in North Carolina determined 60.7% of all residential facilities gross area to be NASF, and 70.6% of all non-residential gross area to be NASF. This interior area, totaling 28,685,611 square feet, represents 66.9% of the gross area of all reported facilities (including both residential and non-residential) for higher education in the state. This latter percentage represents an average 0.9% increase in usable space available over the corresponding data supplied in 1967. While Table 11 presents the general state-wide picture, more specific detail may be observed by comparison with Tables 2, 13, and 14.

Net Assignable Square Feet Classified by Organizational Units

As of the reporting date, the greatest single item of space among institutions of higher education in North Carolina was that of auxiliary services (46.2% of total state-wide NASF). This area consisted mainly of residential facilities and such other general-use facilities as cafeterias and dining halls, recreation facilities, assembly areas, and student health facilities. Facilities for instruction and related research occupied the second largest proportion (35.4%) of state-wide net assignable campus space. Space devoted to general administration and institutional services ranked third (at 7.0%) in the statewide accounting. Further analysis reveals that the organizational units, Library (at 5.7%), Organized Activity Units (at 2.7%), and Non-Institutional Agencies (at 1.0%) combined with the above to account for 98.0% of all campus net assignable area. Most of the remaining space is accounted for as Unassigned (at 1.3%), and Public Service (at 0.6%).

Organizationally, institutions in North Carolina allocated little space to the category, Organized Research Units (0.1% of NASF). As a matter of practice, essentially all college and university research in the state is conducted within departments (i.e., as an organizational part of the instruction and research element, regardless of sources of funds or other budgetary distinctions).

Concerning the relatively high percentages of "Non-Institutional" space reported by some institutions, most is occupied by banks, post offices, and stores, or by cafeterias, dining halls, and snack bars with contracted food or other services.

Although changes in the organizational unit assignment of space have, of course, occurred between 1967 and 1968, only one category indicates as much as a full percentage point of difference (a decrease in Auxiliary Services of 1.6%). The other most significant changes from 1967 occur in Organized Activities (an increase of 0.8%) and in General Administration and Institutional Services (an increase of 0.7%).

Table 12 presents more detail concerning apportionment of assignable area as categorized by organizational units. Definitions of the organizational units discussed here are contained in Appendix D.

Net Assignable Area by Room Type

Tables 13 and 14 show the actual amount of space, with corresponding percents of total campus space, devoted to each of the room-type categories represented. In every case, the indicated footage and corresponding percent represent the combined areas of primary room and service areas. It is important to note that Table 13 includes both non-residential and residential space. Since the percentage of total space which is devoted to residential uses varies so markedly among colleges and universities and is a reflection of housing policy as opposed to academic philosophy, one should use this table with caution in comparing different types of institutions (e.g., residential vs. commuter). One needs to recognize also that relationships between different types of space and total space, as shown in Table 13, will be diversely influenced by the residential space included. It is suggested, therefore, that Table 14, which shows non-residential NASF only, should be used for such comparisons where it is desirable to consider general academic, administrative, and related facilities only. The following example illustrates how the proportions of office space will vary depending upon institution type and upon use of Table 13 or Table 14.

Institution Group and (Type)	Office Space Table 13	Office Space Table 14
Regional Universities (primarily residential)	9.0%	15.3%
Community College System (primarily commuter)	13.3%	13.4%

Square Feet Per Student Station

In contrast to the preceding tables, Tables 15 and 16, reporting square feet per student station, do not include service areas.

Institutions in North Carolina reported a total of 3,354 teaching classrooms containing 137,680 student stations in 2,298,095 net assignable square feet as of the 1968 reporting date. A state-wide average of 41.0 stations per classroom of 685.2 square feet mean room size resulted. As indicated in Table 15, the "average" classroom student station occupied 17 square feet, exclusive of any service area. This student station size, while indicating no significant change over the corresponding value reported in 1967, remains higher than that for many states, and may still suggest that some institutions in the state should (1) examine their classrooms to determine if additional stations could be added without impairing efficiency of instruction, and/or (2) investigate the feasibility of reducing the size of classrooms with large station areas by remodeling into two rooms so as to provide additional office space or additional smaller classrooms and seminar rooms.

Regarding class laboratories, 2,325 rooms, totaling 2,411,725 square feet and containing 54,348 student stations were reported. Such figures combine to indicate an average class laboratory size of 1,037.3 square feet with 23.4 student stations. In view of the fact that the preponderance of institutions comprising the net gain in facilities inventoried for 1968 was contained in 18 technical institutes, it seems unusual that the state-wide average student station size in class laboratories was 0.4 square feet less in 1968 than in 1967. It would appear, therefore, that other changes involving more efficient use of laboratory space have occurred in some institutions during the past year.

Although average square footages and average student station sizes of laboratories are used as guides, the fact still remains that there is no such thing as the "average" class laboratory. Institutions offering only a liberal arts and sciences program with education and business curricula tend to have smaller laboratories and lesser student station sizes than do those institutions that support agricultural and engineering curricula. A language laboratory or a business machines laboratory, for example, is normally not of such large student station size as is a textiles laboratory or an automotive mechanics shop. When comparing the figures listed in Table 16, therefore, one should keep in mind that existing differences in program offerings among institutions, particularly at different academic levels, often result in significant variations in student station sizes in class laboratories among academic departments, among institutions, and especially among groups of institutions.

Net-To-Gross Ratio

Table 11 Fall 1968

INSTITUTION	Gross Sq. Ft.	Net Assignable Sq. Ft.	Net:Gross %
Consolidated University:			
UNC-CH	4,551,076	3,078,209	67.6
UNC-CH(HA)	1,067,760	687,689	63.6
NCSU	4,227,717	2,704,189	64.0
UNC-G	1,941,935	1,268,674	65.3
UNC-C	368,352	229,081	62.2
Subtotal	12,156,840	7,967,842	65.5
Regional Universities:			
A& TU	1,325,937	944,441	71.2
ASU	1,648,185	1,080,007	65.5
ECU	1,868,009	1,278,136	68.4
WCU	1,107,697	780,833	70.5
Subtotal	5,949,828	4,083,417	68.6
Public Senior Colleges:			
A-BC	234,928	161,758	68.8
ECSC	348,420	227,931	65.4
FSC	495,744	333,454	67.3
NCC-D	1,017,544	668,258	65.7
NCSA	156,079	102,755	65.8
PSC	283,406	195,569	69.0
Wil C	138,629	97,491	70.3
WSSC	481,541	322,643	67.0
Subtotal	3,156,291	2,109,859	66.8

Net-To-Gross Ratio
(continued)

Table 11

Fall 1968

INSTITUTION	Gross Sq. Ft.	Net Assignable Sq. Ft.	Net:Gross %
Private Universities:			
Subtotal	5,842,881	3,571,360	61.1
Private 4-Year Colleges:			
Subtotal	10,348,846	7,129,171	68.9
Private 2-Year Colleges:			
Subtotal	2,809,368	1,971,296	70.2
Community College System:			
Com. Coll.'s	1,141,947	762,654	66.8
Tech. Inst.'s	1,461,133	1,090,012	74.6
Subtotal	2,603,080	1,852,666	71.2
GRAND TOTAL	42,867,134	28,685,611	66.9

Net Assignable Square Feet Classified By Organizational Units

Table 12

Fall 1968

INSTITUTION	Instruction and Research		Organized Activities		Organized Research		Public Service		Library		Gen. Adm. & Inst. Services		Auxiliary Services		Non-Institutional		Unassigned		Total Net Assignable Area	
	NASF	%	NASF	%	NASF	%	NASF	%	NASF	%	NASF	%	NASF	%	NASF	%	NASF	%	NASF	%
Consolidated University:																				
UNC-CH	973,961	31.6	-	-	6,264	0.2	60,527	2.0	207,916	6.8	184,444	6.0	1,584,527	51.5	10,782	0.3	49,788	1.6	3,078,209	100.0
UNC-CH(HA)	355,978	51.8	235,139	34.2	4,540	0.6	-	-	10,028	1.4	5,364	0.8	75,594	11.0	628	0.1	418	0.1	687,689	100.0
NCSU	1,368,326	50.6	-	-	-	-	76,954	2.9	63,540	2.4	114,055	4.2	1,049,934	38.8	8,538	0.3	22,842	0.8	2,704,189	100.0
UNC-G	348,309	27.4	64,442	5.1	-	-	7,408	0.6	63,644	5.0	66,035	5.2	647,411	51.0	70,567	5.6	858	0.1	1,268,674	100.0
UNC-C	124,366	54.3	-	-	-	-	-	-	42,696	18.6	25,810	11.3	31,522	13.8	-	-	4,687	2.0	229,081	100.0
Subtotal	3,170,940	39.8	299,581	3.8	10,804	0.1	144,889	1.8	387,824	4.9	395,708	5.0	3,388,988	42.5	90,515	1.1	78,593	1.0	7,967,842	100.0
Regional Universities:																				
A&TU	366,407	38.8	1,934	0.2	-	-	8,696	0.9	54,211	5.8	41,964	4.4	428,705	45.4	27,944	3.0	14,580	1.5	944,441	100.0
ASU	315,722	29.2	54,800	5.1	-	-	-	-	68,753	6.4	31,733	2.9	579,738	53.7	12,242	1.1	17,019	1.6	1,080,007	100.0
ECU	386,625	30.3	26,002	2.0	-	-	-	-	43,826	3.4	51,194	4.0	770,489	60.3	-	-	-	-	1,278,136	100.0
WCU	219,629	28.1	56,288	7.2	-	-	3,313	0.4	44,649	5.7	14,199	1.8	442,678	56.7	-	-	77	0.1-	780,833	100.0
Subtotal	1,288,383	31.5	139,024	3.4	-	-	12,009	0.3	211,439	5.2	139,090	3.4	2,221,610	54.4	40,186	1.0	31,676	0.8	4,083,417	100.0
Public Senior Colleges:																				
A-BC	64,291	39.8	-	-	-	-	-	-	33,335	20.6	13,581	8.4	49,542	30.6	1,009	0.6	-	-	161,758	100.0
ECSC	69,418	30.4	1,786	0.8	-	-	-	-	14,730	6.5	13,149	5.8	125,894	55.2	-	-	2,954	1.3	227,931	100.0
FSC	85,863	25.7	-	-	5,404	1.6	-	-	18,125	5.4	14,232	4.3	168,364	50.5	28,587	8.6	12,879	3.9	333,454	100.0
NCC-D	194,897	29.2	2,870	0.4	-	-	-	-	38,138	5.7	34,360	5.1	347,981	52.1	-	-	50,012	7.5	668,258	100.0
NCSA	46,982	45.7	-	-	-	-	-	-	2,549	2.5	8,997	8.8	43,281	42.1	946	0.9	-	-	102,755	100.0
PSC	69,726	35.6	2,098	1.1	-	-	-	-	19,866	10.1	18,132	9.3	85,178	43.6	-	-	569	0.3	195,569	100.0
Wil C	74,871	76.8	-	-	-	-	-	-	5,842	6.0	10,161	10.4	6,617	6.8	-	-	-	-	97,491	100.0
WSSC	120,105	37.2	-	-	-	-	-	-	12,037	3.7	7,588	2.4	168,137	52.1	-	-	14,776	4.6	322,643	100.0
Subtotal	726,153	34.4	6,754	0.3	5,404	0.3	-	-	144,622	6.9	120,200	5.7	994,994	47.2	30,542	1.4	81,190	3.8	2,109,859	100.0
Private Universities:																				
Subtotal	1,109,178	31.1	306,370	8.6	-	-	4,766	0.1	238,092	6.7	478,441	13.4	1,279,739	35.8	54,198	1.5	100,576	2.8	3,571,360	100.0
Private 4-Year Colleges:																				
Subtotal	1,976,623	27.7	18,590	0.3	198	0.1-	4,443	0.1	401,196	5.6	528,602	7.4	4,076,931	57.2	63,038	0.9	59,550	0.8	7,129,171	100.0
Private 2-Year Colleges:																				
Subtotal	480,447	24.4	-	-	-	-	-	-	122,261	6.2	156,218	7.9	1,180,955	59.9	15,438	0.8	15,977	0.8	1,971,296	100.0
Community College System:																				
Com. Coll.'s	549,496	72.1	-	-	-	-	208	0.1-	76,312	10.0	79,245	10.4	56,627	7.4	96	0.1-	670	0.1	762,654	100.0
Tech. Inst.'s	863,871	79.3	-	-	-	-	1,112	0.1	52,371	4.8	112,579	10.3	51,121	4.7	129	0.1-	8,829	0.8	1,090,012	100.0
Subtotal	1,413,367	76.3	-	-	-	-	1,320	0.1	128,683	6.9	191,824	10.4	107,748	5.8	225	0.1-	9,499	0.5	1,852,666	100.0
GRAND TOTAL	10,165,091	35.4	770,319	2.7	16,406	0.1	167,427	0.6	1,634,117	5.7	2,010,083	7.0	13,250,965	46.2	294,142	1.0	377,061	1.3	28,685,611	100.0

Table 13

Net Assignable Area By Room Type
(Including Residential And Non-Residential)
Fall 1968

INSTITUTION	Classroom Facilities (100)	%	Laboratory Facilities (200)	%	Office Facilities (300)	%	Study Facilities (400)	%	Special Use Facilities (500)	%	General Use Facilities (600)	%	Supporting Facilities (700)	%	Medical Care Facilities (800)	%	Residential Facilities (900)	%	Total (100-900)	%
Consolidated University:																				
UNC-CH	205,304	6.7	274,396	8.9	418,026	13.6	323,729	10.5	258,652	8.4	281,838	9.1	153,515	5.0	-	-	1,162,749	37.8	3,078,209	100.0
UNC-CH(HA)	37,094	5.4	187,468	27.3	181,127	26.3	20,874	3.0	4,043	0.6	32,079	4.7	7,832	1.1	164,131	23.9	53,041	7.7	687,689	100.0
NCSU	173,736	6.4	715,080	26.4	478,270	17.7	56,427	2.1	223,267	8.3	187,758	6.9	46,214	1.7	-	-	823,437	30.5	2,704,189	100.0
UNC-G	67,056	5.3	128,125	10.1	123,361	9.7	65,126	5.1	129,636	10.2	244,063	19.3	50,998	4.0	-	-	460,309	36.3	1,268,674	100.0
UNC-C	49,622	21.7	45,626	19.9	45,089	19.7	42,597	18.6	3,750	1.6	29,040	12.7	13,357	5.8	-	-	-	-	229,081	100.0
Subtotal	532,812	6.7	1,350,695	17.0	1,245,873	15.6	508,753	6.4	619,348	7.8	774,773	9.7	271,916	3.4	164,131	2.0	2,499,536	31.4	7,967,842	100.0
Regional Universities:																				
A&TU	94,760	10.0	173,719	18.4	94,986	10.1	48,366	5.1	114,296	12.1	103,014	10.0	21,450	2.3	-	-	293,850	31.1	944,441	100.0
ASU	68,515	8.2	81,840	7.6	82,479	7.6	74,565	6.9	173,045	16.0	119,750	11.1	16,834	1.6	-	-	442,979	41.0	1,080,007	100.0
ECU	105,663	8.3	98,602	7.7	131,076	10.3	44,793	3.5	120,859	9.4	139,532	10.9	11,665	0.9	202	0.1-	625,744	49.0	1,278,136	100.0
WCU	56,349	7.2	55,443	7.1	58,484	7.5	46,438	6.0	119,445	15.3	112,676	14.4	8,710	1.1	-	-	323,288	41.4	780,833	100.0
Subtotal	345,287	8.5	409,604	10.0	367,025	9.0	214,162	5.2	527,645	12.9	474,972	11.6	58,659	1.4	202	0.1-	1,685,861	41.3	4,083,417	100.0
Public Senior Colleges:																				
A-BC	24,908	15.4	13,774	8.5	16,448	10.2	31,765	19.6	18,205	11.2	22,834	14.1	7,687	4.8	-	-	26,137	16.2	161,758	100.0
ECSC	20,518	9.0	27,092	11.9	18,611	8.2	13,689	6.0	14,270	6.3	35,334	15.5	7,196	3.1	-	-	91,221	40.0	227,931	100.0
FSC	21,617	6.5	24,175	7.2	18,654	5.6	27,020	8.1	64,439	19.3	52,379	15.7	9,563	2.9	-	-	115,607	34.7	333,454	100.0
NCC-D	62,066	9.3	44,126	6.6	77,278	11.6	45,858	6.9	49,162	7.3	93,159	13.9	14,938	2.2	-	-	281,671	42.2	668,258	100.0
NCSA	8,768	8.5	22,929	22.3	13,321	13.0	2,439	2.4	-	-	26,927	26.2	641	0.6	-	-	27,730	27.0	102,755	100.0
PSC	22,929	11.7	27,412	14.0	19,268	9.9	18,647	9.5	14,413	7.4	25,819	13.2	7,754	4.0	-	-	59,327	30.3	195,569	100.0
Wil C	16,938	17.4	16,912	17.4	16,158	16.6	7,154	7.3	30,703	31.5	5,874	6.0	3,752	3.8	-	-	-	-	97,491	100.0
WSSC	45,302	14.0	28,164	8.7	31,400	9.7	19,286	6.0	19,335	6.0	39,247	12.2	4,108	1.3	-	-	135,801	42.1	322,643	100.0
Subtotal	223,046	10.6	204,584	9.7	211,138	10.0	165,858	7.9	210,527	10.0	301,573	14.3	55,639	2.6	-	-	737,494	34.9	2,109,859	100.0
Private Universities:																				
Subtotal	163,692	4.6	467,780	13.1	535,356	15.0	280,071	7.8	199,323	5.6	391,939	11.0	263,938	7.4	273,113	7.6	996,148	27.9	3,571,360	100.0
Private 4-Year Colleges:																				
Subtotal	605,320	8.5	559,403	7.8	538,484	7.6	416,362	5.8	596,273	8.4	1,234,924	17.3	267,156	3.7	275	0.1-	2,910,974	40.8	7,129,171	100.0
Private 2-Year Colleges:																				
Subtotal	141,682	7.2	105,937	5.4	143,371	7.3	110,565	5.6	181,763	9.2	361,348	18.3	90,614	4.6	-	-	836,016	42.4	1,971,296	100.0
Community College System:																				
Com. Coll.'s	167,590	22.0	287,660	37.7	121,132	15.9	84,857	1.1	28,553	3.7	55,188	7.2	9,695	1.3	1,434	0.2	6,545	0.9	762,654	100.0
Tech. Inst.'s	193,770	17.8	615,977	56.5	125,533	11.5	68,136	6.2	3,146	0.3	52,094	4.8	31,356	2.9	-	-	-	-	1,090,012	100.0
Subtotal	361,360	19.5	903,637	48.8	246,665	13.3	152,993	8.2	31,699	1.7	107,282	5.8	41,051	2.2	1,434	0.1	6,545	0.4	1,852,666	100.0
GRAND TOTAL	2,373,199	8.3	4,001,640	13.9	3,287,912	11.5	1,848,764	6.4	2,366,578	8.3	3,646,816	12.7	1,048,973	3.7	439,155	1.5	9,672,574	33.7	28,685,611	100.0

Table 14

Net Assignable Area By Room Type

(Non-Residential Facilities Only)

Fall 1968

INSTITUTION	Classroom Facilities (100)	%	Laboratory Facilities (200)	%	Office Facilities (300)	%	Study Facilities (400)	%	Special Use Facilities (500)	%	General Use Facilities (600)	%	Supporting Facilities (700)	%	Medical Care Facilities (800)	%	Total (100-800)	%
Consolidated University:																		
UNC-CH	205,304	10.7	274,396	14.3	418,026	21.9	323,729	16.9	258,652	13.5	281,838	14.7	153,515	8.0	-	-	1,915,460	100.0
UNC-CH(HA)	37,094	5.9	187,468	29.5	181,127	28.5	20,874	3.3	4,043	0.6	32,079	5.1	7,832	1.2	164,131	25.9	634,648	100.0
NCSU	173,736	9.2	715,080	38.0	478,270	25.4	56,427	3.0	223,267	11.9	187,758	10.0	46,214	2.5	-	-	1,880,752	100.0
UNC-G	67,056	8.3	128,125	15.8	123,361	15.3	65,126	8.1	129,636	16.0	244,063	30.2	50,998	6.3	-	-	808,365	100.0
UNC-C	49,622	21.7	45,626	19.9	45,089	19.7	42,597	18.6	3,750	1.6	29,040	12.7	13,357	5.8	-	-	229,081	100.0
Subtotal	532,812	9.7	1,350,695	24.7	1,245,873	22.8	508,753	9.3	619,348	11.3	774,778	14.2	271,916	5.0	164,131	3.0	5,468,306	100.0
Regional Universities:																		
A&TU	94,760	14.6	173,719	26.7	94,986	14.6	48,366	7.4	114,296	17.6	103,014	15.8	21,450	3.3	-	-	650,591	100.0
ASU	88,515	13.9	81,840	12.8	82,479	13.0	74,565	11.7	173,045	27.2	119,750	18.8	16,834	2.6	-	-	637,028	100.0
ECU	105,663	16.2	98,602	15.1	131,076	20.1	44,793	6.9	120,859	18.5	139,532	21.4	11,665	1.8	202	0.1-	652,392	100.0
WCU	56,349	12.3	55,443	12.1	58,484	12.8	46,438	10.2	119,445	26.1	112,676	24.6	8,710	1.9	-	-	457,545	100.0
Subtotal	345,287	14.4	409,604	17.1	367,025	15.3	214,162	8.9	527,645	22.0	474,972	19.8	58,659	2.4	202	0.1-	2,397,556	100.0
Public Senior Colleges:																		
A-BC	24,908	18.4	13,774	10.2	16,448	12.1	31,765	23.4	18,205	13.4	22,834	16.8	7,687	5.7	-	-	135,621	100.0
ECSC	20,518	15.0	27,092	19.8	18,611	13.6	13,689	10.0	14,270	10.4	35,334	25.9	7,196	5.3	-	-	136,710	100.0
FSC	21,617	9.9	24,175	11.1	18,654	8.6	27,020	12.4	64,439	29.6	52,379	24.0	9,563	4.4	-	-	217,847	100.0
NCC-D	62,066	16.0	44,126	11.4	77,278	20.0	45,858	11.9	49,162	12.7	93,159	24.1	14,938	3.9	-	-	386,587	100.0
NCSA	8,768	11.7	22,929	30.6	13,321	17.8	2,439	3.2	-	-	26,927	35.9	641	0.8	-	-	75,025	100.0
PSC	22,929	16.8	27,412	20.1	19,268	14.1	18,647	13.7	14,413	10.6	25,819	19.0	7,754	5.7	-	-	136,242	100.0
Wil C	16,938	17.4	16,912	17.4	16,158	16.6	7,154	7.3	30,703	31.5	5,874	6.0	3,752	3.8	-	-	97,491	100.0
WSSC	45,302	24.3	28,164	15.1	31,400	16.8	19,286	10.3	19,335	10.3	39,247	21.0	4,108	2.2	-	-	186,842	100.0
Subtotal	223,046	16.2	204,584	14.9	211,138	15.4	165,858	12.1	210,527	15.3	301,573	22.0	55,639	4.1	-	-	1,372,365	100.0
Private Universities:																		
Subtotal	163,692	6.4	467,780	18.2	535,356	20.8	280,071	10.9	199,323	7.7	391,939	15.2	263,938	10.2	273,113	10.6	2,575,212	100.0
Private 4-Year Colleges:																		
Subtotal	605,320	14.3	559,403	13.3	538,484	12.8	416,362	9.9	596,273	14.1	1,234,924	29.3	267,156	6.3	275	0.1-	4,218,197	100.0
Private 2-Year Colleges:																		
Subtotal	141,682	12.5	105,937	9.3	143,371	12.6	110,565	9.8	181,763	16.0	361,348	31.8	90,614	8.0	-	-	1,135,280	100.0
Community College System:																		
Com. Coll.'s	167,590	22.2	287,660	38.0	121,132	16.0	84,857	11.2	28,553	3.8	55,188	7.3	9,695	1.3	1,434	0.2	756,109	100.0
Tech. Inst.'s	193,770	17.8	615,977	56.5	125,533	11.5	68,136	6.2	3,146	0.3	52,094	4.8	31,356	2.9	-	-	1,090,012	100.0
Subtotal	361,360	19.6	903,637	48.9	246,665	13.4	152,993	8.3	31,699	1.7	107,282	5.8	41,051	2.2	1,434	0.1	1,846,121	100.0
GRAND TOTAL	2,373,199	12.5	4,001,640	21.1	3,287,912	17.3	1,848,764	9.7	2,366,578	12.4	3,646,816	19.2	1,048,973	5.5	439,155	2.3	19,013,037	100.0

Net Assignable Square Feet Per Student Station For Classrooms

Table 15 **Fall 1968**

INSTITUTION	Number of Rooms	Number of Student Stations	Total Assignable Sq. Ft.	Sq. Ft. Per Student Station
Consolidated University:				
UNC-CH	241	11,783	195,270	17
UNC-CH(HA)	47	2,476	36,060	15
NCSU	210	10,754	166,909	16
UNC-G	93	4,545	64,161	14
UNC-C	80	3,473	46,672	13
Subtotal	671	33,031	509,072	15
Regional Universities:				
A&TU	131	5,658	89,582	16
ASU	97	5,007	84,958	17
ECU	149	6,536	101,874	16
WCU	75	2,912	54,486	19
Subtotal	452	20,113	330,900	16
Public Senior Colleges:				
A-BC	36	1,440	24,486	17
ECSC	29	1,274	19,895	16
FSC	32	1,365	21,617	16
NCC-D	84	3,570	57,853	16
NCSA	17	416	8,449	20
PSC	36	1,393	22,149	16
Wil C	24	950	16,747	18
WSSC	54	2,263	42,686	19
Subtotal	312	12,671	213,882	17

Net Assignable Square Feet Per Student Station For Classrooms (continued)

Table 15

Fall 1968

INSTITUTION	Number of Rooms	Number of Student Stations	Total Assignable Sq. Ft.	Sq. Ft. Per Student Station
Private Universities:				
Subtotal	233	10,943	158,828	15
Private 4-Year Colleges:				
Subtotal	904	34,614	589,214	17
Private 2-Year Colleges:				
Subtotal	206	8,275	140,167	17
Community College System:				
Com. Coll.'s	250	9,491	163,225	17
Tech. Inst.'s	326	8,542	192,807	23
Subtotal	576	18,033	356,032	20
GRAND TOTAL	3,354	137,680	2,298,095	17

Net Assignable Square Feet Per Student Station For Class Laboratories

Table 16

Fall 1968

INSTITUTION	Number of Rooms	Number of Student Stations	Total Assignable Sq. Ft.	Sq. Ft. Per Student Station
Consolidated University:				
UNC-CH	91	1,944	83,386	43
UNC-CH(HA)	32	1,974	40,565	21
NCSU	177	3,760	217,952	58
UNC-G	74	1,802	81,877	45
UNC-C	40	867	32,634	38
Subtotal	414	10,347	456,414	44
Regional Universities:				
A&TU	111	2,594	173,719	46
ASU	64	1,528	81,840	39
ECU	79	2,075	98,602	33
WCU	50	1,049	55,443	41
Subtotal	304	7,246	409,604	40
Public Senior Colleges:				
A-BC	10	265	10,040	38
ECSC	26	595	22,511	38
FSC	23	760	19,890	26
NCC-D	44	1,077	30,210	28
NCSA	11	408	16,737	41
PSC	30	683	22,087	32
Wil C	18	447	14,346	32
WSSC	26	647	20,923	32
Subtotal	188	4,882	156,744	32

Net Assignable Square Feet Per Student Station For Class Laboratories. (continued)

Table 16

Fall 1968

INSTITUTION	Number of Rooms	Number of Student Stations	Total Assignable Sq. Ft.	Sq. Ft. Per Student Station
Private Universities:				
Subtotal	152	3,607	105,564	29
Private 4-Year Colleges:				
Subtotal	472	11,848	369,151	31
Private 2-Year Colleges:				
Subtotal	106	2,825	105,937	30
Community College System:				
Com. Coll.'s	238	5,238	252,160	48
Tech. Inst.'s	451	8,355	556,151	67
Subtotal	689	13,593	808,311	59
GRAND TOTAL	2,325	54,348	2,411,725	44

IV. Utilization of Instructional Space

This chapter presents, in Tables 17 through 26, an analysis of each of the space utilization measures indicated in the underscored captions below. The term, "square feet," as used in these tables represents the "net assignable square feet" (NASF) of the facilities considered.

In reviewing Tables 17 and 18, the following should be particularly noted: (1) Data for the medical school of one private university are not included, and (2) For North Carolina School of the Arts (NCSA) only the college level portion of the total enrollment has been reflected under headings "Total FTE Enrollment" and "Total Student Clock Hours." This procedure was designed to provide essential data for federal reporting and for State Commission use in reviewing requests for federal grants. To limit the possibility of misunderstanding on the part of other users of these data, however, footnotes have been added to Tables 17 and 18 to show the effect of including also NCSA's pre-college enrollment within the utilization indices reported.

With reference to Tables 19 through 26, especial attention is called to the following: (1) Utilization data for the medical centers/schools of the University of North Carolina at Chapel Hill, Duke University, and Wake Forest University are not included because of difficulties encountered in assembling this type of information, and (2) Utilization data for North Carolina School of the Arts are not included since to do so might invite misleading comparisons.

Net Assignable Square Feet of Academic Facilities Per FTE Student

Table 17 shows the relationship between the total amount of academic facilities space and number of FTE students. This ratio provides an index of the degree of adequacy or crowding of institutional areas devoted primarily to academic use.

In estimating country-wide needs for academic facilities, the United States Office of Education (USOE) has often used as its planning factor 150 gross square feet of academic facilities per FTE student. This factor, USOE indicates, "falls about in the middle of those used by a sample of institutions and state coordinating boards, and is useful for broad budgetary analyses and projections covering an average 'mix' of institutional types."[1] While USOE recognizes the limited value of the factor in analyzing the situation at an individual institution, it does point to the usefulness of this measure if appropriate allowances are made. Some qualifications are that "allowances for graduate students would tend to run higher and those for junior college students somewhat lower (e.g., 200 square feet and 120 square feet respectively)"[2]; that institutions which have agriculture and engineering curricula would probably have values above 150 square feet; and that institutions which offer a liberal arts and science program with education and business curricula might tend to have values below 150. In a 1957 nation-wide survey of college and university facilities, USOE reported for non-residential buildings at public institutions an overall net-to-gross ratio of 70.2% and for private institutions a net-to-gross ratio of 73.3%.[3] As a matter of convenience and for broad planning purposes, however, the factor is usually modified to a 2/3 ration, or 100 NASF per FTE student.

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[1] "An Interim Assessment of Academic Facilities Needs and the Contributions of the Higher Education Facilities Act of 1963," Division of College Facilities, USOE, Washington, D. C., February 1968, p. 7.

[2] Ibid.

Bearing in mind the limitations noted in the preceding paragraph, institutions may wish to review the data in Table 1 on the basis of a "norm" of 100 NASF. It is pointed out, however, that the mix of academic programs may be such that an institution is able to operate effectively with less than 100 NASF, and that other program combinations may require a greater allocation of space.

In 1968, a single FTE student in North Carolina had the use of somewhere between a low of 37 to a high of 342 square feet of academic facilities among the individual institutions listed. The average FTE student enjoyed the benefit of 109 square feet of the total 14,057,995 net assignable square feet of academic facilities available among reporting institutions, an increase of 4 NASF per FTE student over 1967.

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[3] Part 3: Inventory of College and University Physical Facilities, College and University Facilities Survey, U. S. Department of Health, Education, and Welfare, USOE, Washington, D. C., 1965, p. 251.

Following is a brief of Table 17 reflecting NASF of academic facilities per FTE student for school years 1967 and 1968, by institutional groupings:

Groups of Institutions	1967	1968	Net Change *
Consolidated University	133	120	- 9.78%
Regional Universities	76	82	+ 7.89%
Public Senior Colleges	99	102	+ 3.03%
Private Universities	188	211	+12.23%
Private 4-Year Colleges	108	112	+ 4.70%
Private 2-Year Colleges	86	88	+ 2.32%
Community College System	84	81	- 3.58%
State Weighted Mean:	105	109	+ 3.80%

* Minus (-) indicates decrease in NASF/FTE student.

Capacity/Enrollment Ratio

Table 18 reflects the overall relationship between available instructional and library (I & L) facilities and the demand which the academic program of instruction, in combination with student enrollment, places upon such facilities. The capacity/enrollment ratio (C/E ratio) is obtained by dividing the assignable square footage of I & L facilities by the total resident student clock hours of instruction. By use of this measure, functional, as well as physical, adequacy or crowding of instruction and library facilities may be observed. Generally speaking, the numberically lower the capacity/enrollment ratio, the higher the degree of utilization. In evaluating by this index, however, the fact should be recognized that an institution with a large percentage of graduate work, particularly in fields such as engineering or agriculture, will generally have a higher C/E ratio, even though it may be utilizing its facilities as well as another institution.

Among reporting institutions in North Carolina, C/E ratios as of the end of the drop-add period of the Fall Term 1968, ranged from a low utilization of 9.23 to a high of 1.45. In terms of means for groups of institutions, the range of C/E ratios narrowed to a low of 6.59 (private universities) and a high of 2.85 (community college system). As a group, the Consolidated University most closely (by 0.04 C/E ratio points) approached the state C/E ratio mean for reporting institutions.

In most states, C/E ratios between 3.00 and 4.00 are considered within a desirable range.

Shown below by groups of institutions are the C/E ratios for 1968 along with those from the 1967 study. In 1967, C/E ratios of three institution groupings were above the normally desirable high. In 1968, the number increased to four by the addition of the private university group. The community college system shows an increased ratio in 1968, but still remains at the austere end of the scale by this measure. The state-wide mean (4.13), is of limited significance in itself, but does infer that some institutions should examine their individual situations by this index.

Groups of Institutions	C/E Ratio 1967	C/E Ratio 1968	Net Change*
Consolidated University	4.03	4.09	+0.06
Regional Universities	3.46	3.72	+0.26
Public Senior Colleges	4.50	4.45	-0.05
Private Universities	-	6.59	-
Private 4-year Colleges	5.33	4.84	-0.49
Private 2-year Colleges	3.63	3.59	-0.04
Community College System	2.78	2.85	+0.07
State Weighted Mean	3.87	4.13	+0.26

* Minus (-) indicates improved C/E ratio.

Average Student Station Hours Per Week

Average student station hours per week, as used here, is the ratio of total student hours of instruction per week to total number of student stations in available teaching rooms. Tables 19 and 20 show the relationships between daytime, nighttime, and all hours, or total use of student stations for classrooms and for class laboratories, respectively. "Daytime" utilization refers to all classes with beginning times between and including 0500 and 1659 (24-hour clock); "nighttime" utilization references all classes with beginning times between and including 1700 and 0459; "all hours" represents the sum of "daytime" and "nighttime" utilization.

With respect to "all hours," 1968 classroom student station occupancy averaged 12.7 hours per week while that for class laboratories averaged 9.6 hours per week -- a difference, of 3.1 hours more per week in classrooms. These statistics represent a 0.5 hour-per-week increase in classroom station scheduling and a 0.1 hour-per-week increase in class laboratory station scheduling over corresponding figures reported for 1967.

By the considered index, the community college system had greatest utilization of both classroom and class laboratory facilities, as was the case in 1967.

The greatest improvement, 1968 over 1967, in average student station scheduling for classrooms was by the public senior colleges, and for laboratories, by the private 2-year colleges. Encouragingly, all institutional groups showed improvement by this measure in 1968, except for one in classroom station use (no change from 1967) and one in laboratory use (less by only .9 hours).

The Consolidated University most closely approximated the state mean of 12.7 hours per week for classrooms. The regional universities duplicated the state mean of 9.6 average student station hours per week for laboratories, while increasing their average scheduling of stations by 0.3 hours per week over their 1967 figures.

The following statistics show how North Carolina compares in average student station hours per week with three other states for which information is available:

	Average Student Station Hours Per Week	
	Classrooms	Class Laboratories
NORTH CAROLINA (1968)	12.7	9.6
Illinois (1967)	15.4	12.6
South Dakota (1967)	13.8	9.4
Tennessee (1967)	11.8	8.3

Percent Student Station Utilization (When Rooms are in Use)

Tables 21 and 22 show the (1) Daytime, (2) Nightime, and (3) All Hours use of student stations in classrooms and in class laboratories, expressed as a percentage of student stations occupied when rooms are in use. In each case, percent student station utilization is reported relative to the total time that such rooms were actually used. Explanation of the method used for these calculations appears on page 51. "Daytime" and "nighttime" classes are defined as in the immediately preceding discussion.

Although lower than the 60.0% student station utilization which many states consider a desirable standard for classrooms, actual use figures for North Carolina compare favorably with those of other states for which reports are available. As anticipated, station utilization is higher in teaching laboratories than in classrooms. One should bear in mind, however, that the percent student station utilization for class laboratories can be expected to vary with the size of institution and the relative degree of specialization of the facilities. It is not possible, therefore, to specify a par value which will be representative institution-wide or state-wide, and station utilization standards may need to be established for each major subject area. In establishing goals for percent student station use in class laboratories, institutions may find it useful to compare against the statistics shown in Table 29.

A comparison of percent student station utilization reported for 1968 with that reported for 1967 is shown below:

	Classrooms		Laboratories	
Groups of Institutions	1967	1968	1967	1968
Consolidated University	56.8	56.2	72.7	63.6
Regional Universities	59.9	59.1	74.3	60.9
Public Senior Colleges	49.9	51.7	64.5	62.4
Private Universities	-	46.7	-	51.0
Private 4-Year Colleges	55.0	57.0	56.1	54.3
Private 2-Year Colleges	63.3	60.5	72.0	75.2
Community College System	60.3	60.9	69.5	68.0
State Weighted Mean	57.2	55.8	68.5	63.5

Classroom station use, in general, varied from 2.0% above to 2.8% below last year's figures, and laboratory station use ranged from 3.2% above to as much as 13.4% below the 1967 figures for groups of institutions. The generally lesser degrees of student station use are reflected in the state weighted means which indicate 1.4% less classroom student station occupancy in 1968 than in 1967, and 5.0% less laboratory station use in 1968 than in the previous year.

The following indicates how North Carolina compares with four other states for which general use data is available:

	Percent Student Station Utilization	
	Classrooms	Class Laboratories
NORTH CAROLINA (1968)	55.8	63.5
Illinois (1967)	58.7	75.3
Indiana (1967)	55.0	64.0
South Dakota (1967)	59.3	72.5
Tennessee (1967)	54.4	58.7

Selected Space Utilization Indices for Classrooms and Class Laboratories

The columns headed "Average Room Hours Per Week" in Tables 23 and 24 show the average number of hours of instruction in classrooms and class laboratories during a one-week period, calculated as

$$\text{Av Rm Hrs of Instr} = \frac{\text{Total Rm Hrs of Instr}}{\text{Total Number of Rms}}$$

where one room hour equals one scheduled hour of instruction for one class.

Columns captioned "Percent Student Station Utilization", show the ratio of total student hours of instruction in classrooms and class laboratories to the potential student station hours of instruction while rooms are in use. That is,

$$\text{\% Stu Sta Utilization} = \frac{\text{Total Stu Hrs of Instr}}{\text{Potential Stu Hrs of Instr}}$$

where "potential student hours of instruction" equals "total student capacity of scheduled rooms" x "hours scheduled." It should be noted that the potential is derived by totaling separately for classrooms (Room-type 110) and for class laboratories (Room-type 210) the products of the following calculations for each room: "number of student stations" x "hours of actual instruction."

The third index "Space Factor" (SF), represents the net assignable square feet (NASF) of all classroom or of all class laboratory floor space per student clock (contact) hour of instruction in these types of rooms during one week. As a composite of both space allocation and space utilization in one simple term, this measure takes into account such indicators as the number of room hours scheduled per week, the number of student station hours per week, the percent of student stations scheduled per week, the NASF of each type of room, and the NASF per student station. The space factor is usually expressed as

$$SF = \text{NASF}/\text{Student Clock Hour}$$

By way of example, SF components for classrooms at Western Carolina University are: NASF, 54,486; total student clock hours, 58,485. Thus:

$$\frac{54{,}486}{58{,}485} = \text{WCU's SF of } 0.93$$

The foregoing indices illustrate in simple form that improved utilization of teaching facilities can be obtained by any one of, or by a combination of the following methods:

(1) Provide better match of room size to class size.

(2) Increase the number of hours scheduled per week.

(3) Increase the number of stations per room (Reduce the area per student station).

By the space factor index for 1968, most institutions in North Carolina showed improved utilization of both classrooms and class laboratories over 1967. The state weighted mean reflected this improvement by 0.17 factor points decrease for classrooms and 0.35 factor points decrease for laboratories. The regional universities reported highest utilization of classroom space (S.F. of 1.12) while the private 2-year colleges and the community college system indicated highest laboratory use (with SF's of 3.05 and 3.72, respectively).

Classroom and laboratory space factors for 1967 and 1968 are summarized below by institutional groupings:

Groups of Institutions	Classroom SF 1967	Classroom SF 1968	Laboratory SF 1967	Laboratory SF 1968
Consolidated University	1.30	1.20	7.03	5.83
Regional Universities	1.17	1.12	4.04	4.18
Public Senior Colleges	1.66	1.57	3.81	4.67
Private Universities	-	1.57	-	7.56
Private 4-Year Colleges	2.08	1.68	8.40	6.52
Private 2-Year Colleges	1.30	1.21	4.00	3.05
Community College System	1.20	1.21	4.00	3.72
State Weighted Mean	1.45	1.28	4.80	4.45

Comparative Ranges of Selected Utilization Indices for Classrooms and Class Laboratories

Tables 25 and 26 report for classrooms and laboratories, respectively, comparative ranges of the space utilization indices (1) Average Room Hours Per Week, (2) Percent Student Station Utilization, and (3) Space Factor, for groups of institutions of higher education in North Carolina and for the state as a whole. For each index, the group high, the group mean, and the group low utilization measures are recorded. In addition, typical standards (see also Table 29) are presented for reference.

Comparison Between North Carolina and Other States of Actual Classroom and Class Laboratory Utilization, Showing Average Room Hours Per Week and Percent Student Station Utilization

Table 27 indicates how North Carolina compares in actual space utilization with five other states for which the above-stated measures are available.

It will be observed that institutions in North Carolina used their classrooms an average of 3.25 hours less and at 0.98% less student station occupancy than did other states for which "total public and private institutions" figures were reported (using simple averages of grand weighted means for other states as basis for comparison). Such a comparison shows, also, that class laboratories in the state were used 0.85 hours per week less, with 4.43% less station occupancy than were those in other states.

Compared against 1967 average room hours per week, institutions in North Carolina, in general, have achieved better utilization of both classrooms (by 1.2 hours more per week) and laboratories (by 0.2 hours more per week) for 1968. Comparison of North Carolina's 1967 and 1968 percent student station utilization index is shown on page 51.

Recommended Utilization Standards of Selected States, Showing Average Room Hours Per Week and Percentage Occupancy

In several states, standards in the indices cited above have been adopted or recommended for adoption. Such information is available for ten states, as indicated on Table 28.

Noting North Carolina's 1968 record in these utilization measures (Tables 23 and 24), it is evident that, as in 1967, opportunity for improvement continues to exist. In this respect, while average room use of both classrooms and laboratories in North Carolina has more nearly approached these standards in 1968 than in the previous year, percent student station utilization has become less comparable.

Recommended Space Factors for Classrooms and Class Laboratories, Other States

In those states making use of standards for Average Room Hours Per Week, Percent Student Station Occupancy, and Square Feet Per Student Station, most also use the "Space Factor" standard since it is a composite of the other three. That is:

$$SF = \frac{\text{Sq. Ft./Stu Sta}}{\text{Av Rm Hrs/Wk} \times \text{\% Stu Sta Occupancy}}$$

(See also discussion of SF, pp. 51-52, which although derived differently, is the same end product as shown here.)

Space factors known to have been recommended for use in other states are shown in Table 29. Most states listed base their classroom SF on an average weekly room use of 30 hours, a square footage per student station of 15, and a student station occupancy ranging from 55.5% to 66.6%. These factors combine to yield a SF range of from 0.751 to 0.901. A more narrow range, however, of 0.833 - 0.900 is most often considered typical of SF standards.

Comparing 1968 classroom space factors (actual) of institutions in North Carolina against the SF's (proposed standards) of other states, it is noted that only twelve institutions in the state made approximately equal or better use of space by this index than the representative standard of 0.90. Although this represents some improvement over 1967, results of the 1968 study show that neither the weighted mean classroom SF for the state (1.28) nor the weighted mean for any grouping of institutions in the state (ranging from 1.12 to 1.68) has closely approached the representative standard.

As in 1967, the 1968 North Carolina space factor of 4.45 for laboratories compares favorably with the standard factors of other states. Bearing in mind that to be fully meaningful a laboratory space factor must be related to the program or discipline involved, the SF's as shown in the table can be used as general guides.

Possible Uses of Data

This study, as a continuation of the series begun in 1967, has refined and brought current the mass of data resulting from a comprehensive building-by-building and room-by-room inventory of physical facilities at institutions of higher education in North Carolina. Available now are summations for each individual campus in the state, for types of institution in the state, and for the state as a whole which encompass such measurements as: (1) the square footage for each classroom, each laboratory, each office, and each other such type of space; (2) the square footage devoted to the various fields of study; (3) the square footage of space by its organizational assignment within the institutions; and (4) the square footage and number of student spaces in teaching rooms.

This wealth of needed information, not previously existing, will serve as a planning tool for those boards and agencies which are concerned with higher education. Legislators and others responsible for financing, staffing, and providing facilities for higher education can be kept better informed in advance of the time assistance is needed. Planning bodies for education-related programs can be afforded like assistance. Many individual institutions will know for the first time exactly how much space they have and, through further analysis, how much space they will need to carry out their educational programs.

Provided also in the study is a wealth of data and comparative information regarding space utilization at educational institutions in the state. This element of the study, in particular, lends itself to further analysis by individual institutions. Based on the facts presented, each institution can review its space utilization in light of its own definition of role and scope, in terms of its own educational philosophy, and with respect to its yearly progress.

Net Assignable Square Feet Of Academic Facilities Per FTE Student

Table 17

Fall 1968

INSTITUTION	NASF of Academic Facilities	Total FTE Enrollment	NASF of Academic Facilities per FTE Student	
			1968	(1967)
Consolidated University:				
UNC-CH	1,375,415	13,000	106	(97)
UNC-CH(HA)	611,049	1,786	342	(357)
NCSU	1,545,921	10,367	149	(155)
UNC-G	543,288	5,165	105	(115)
UNC-C	197,559	2,064	96	(113)
Subtotal	3,662,183	30,596	120	(133)
Regional Universities:				
A&TU	470,061	3,642	129	(117)
ASU	482,524	5,317	91	(72)
ECU	507,647	8,836	57	(58)
WCU	334,765	4,089	82	(83)
Subtotal	1,794,997	21,884	82	(76)
Public Senior Colleges:				
A-BC	111,207	638	174	(189)
ECSC	99,879	944	106	(107)
FSC	126,226	1,218	104	(72)
NCC-D	270,265	2,904	93	(92)
NCSA	58,528	218*	268*	(309)*
PSC	110,391	1,548	71	(70)
Wil C	90,874	1,192	76	(73)
WSSC	141,250	1,210	117	(122)
Subtotal	1,008,620	9,872	102	(99)

Net Assignable Square Feet Of Academic Facilities Per FTE Student (continued) Fall 1968

Table 17

INSTITUTION	NASF of Academic Facilities	Total FTE Enrollment	NASF of Academic Facilities per FTE Student	
			1968	(1967)
Private Universities:				
Subtotal	2,132,081**	10,081**	211**	(188)**
Private 4-Year Colleges:				
Subtotal	2,963,324	26,383	112	(108)
Private 2-Year Colleges:				
Subtotal	759,022	8,636	88	(86)
Community College System:				
Com. Coll.'s	705,537	10,987	64	(68)
Tech. Inst.'s	1,032,231	10,345	100	(98)
Subtotal	1,737,768	21,332	81	(84)
GRAND TOTAL	14,057,995	128,784	109	(105)

*Figures do not include pre-college enrollment. In 1968, inclusion of 151 pre-college enrollees would result in a NASF/FTE of 159.

**Excludes 2 medical schools.

Capacity/Enrollment Ratio

Table 18

Fall 1968

INSTITUTION	Net Assignable Sq. Ft. of Instructional and Library Facilities	Total Student Clock Hours	Capacity/Enrollment Ratio 1968	(1967)
Consolidated University:				
UNC-CH	914,634	221,737	4.12	(3.48)
UNC-CH(HA)	215,653	-	-	-
NCSU	900,812	207,415	4.34	(3.68)
UNC-G	316,850	96,629	3.28	(3.88)
UNC-C	166,916	36,447	4.58	(5.42)
Subtotal	2,514,865	562,228	4.09	(4.03)
Regional Universities:				
A&TU	386,268	66,026	5.85	(5.32)
ASU	383,309	92,277	4.15	(2.89)
ECU	402,009	154,395	2.60	(2.83)
WCU	251,149	70,258	3.57	(3.74)
Subtotal	1,422,735	382,955	3.72	(3.46)
Public Senior Colleges:				
A-BC	93,617	10,147	9.23	(9.55)
ECSC	84,184	21,410	3.93	(4.84)
FSC	100,149	22,729	4.41	(3.37)
NCC-D	202,573	52,010	3.89	(3.65)
NCSA	38,722	5,227 *	7.41 *	(7.22)*
PSC	88,322	26,429	3.34	(3.49)
Wil C	80,006	21,271	3.76	(3.85)
WSSC	118,651	21,974	5.40	(6.17)
Subtotal	806,224	181,195	4.45	(4.50)

Capacity/Enrollment Ratio
(continued)

Table 18

Fall 1968

INSTITUTION	Net Assignable Sq. Ft. of Instructional and Library Facilities	Total Student Clock Hours	Capacity/Enrollment Ratio 1968	(1967)
Private Universities:				
Subtotal	927,594**	140,657**	6.59 **	-
Private 4-Year Colleges:				
Subtotal	2,251,096	464,792	4.84	(5.33)
Private 2-Year Colleges:				
Subtotal	584,362	162,898	3.59	(3.63)
Community College System:				
Com. Coll.'s	613,454	240,249	2.55	(2.72)
Tech. Inst.'s	913,433	295,165	3.09	(2.75)
Subtotal	1,526,887	535,414	2.85	(2.78)
GRAND TOTAL	10,033,763	2,430,139	4.13	(3.87)

*Figures do not include Student Clock Hours for pre-college enrollment. In 1968, addition of an estimated 3,620 hours would result in a C/E Ratio of 4.38.

**Excludes 2 medical schools.

Average Student Station Hours Per Week For Classrooms

Table 19

Fall 1968

INSTITUTION	Daytime	Nighttime	All Hours 1968	All Hours (1967)
Consolidated University:				
UNC-CH	14.0	0.4	14.4	(15.2)
UNC-CH(HA)	-	-	-	-
NCSU	14.3	0.4	14.7	(13.7)
UNC-G	13.5	0.6	14.2	(12.9)
UNC-C	8.5	0.5	9.0	(8.0)
Weighted Mean	13.4	0.4	13.9	(13.5)
Regional Universities:				
A&TU	8.0	0.5	8.4	(10.6)
ASU	13.9	0.0	13.9	(12.6)
ECU	17.8	0.5	18.3	(16.0)
WCU	19.7	0.4	20.1	(15.3)
Weighted Mean	14.3	0.4	14.7	(13.9)
Public Senior Colleges:				
A-BC	5.7	0.2	5.8	(6.0)
ECSC	10.6	0.0	10.6	(10.4)
FSC	10.2	0.3	10.6	(14.4)
NCC-D	11.5	0.3	11.9	(12.3)
NCSA	-	-	-	-
PSC	15.2	0.0	15.2	(13.0)
Wil C	16.3	0.1	16.3	(15.6)
WSSC	6.3	0.5	6.8	(4.2)
Weighted Mean	10.4	0.2	10.7	(9.3)

Average Student Station Hours Per Week For Classrooms (continued)

Table 19

Fall 1968

INSTITUTION	Daytime	Nighttime	All Hours 1968	(1967)
Private Universities:				
Weighted Mean	9.0*	0.1*	9.2*	-
Private 4-Year Colleges:				
Weighted Mean	9.8	0.3	10.1	(9.3)
Private 2-Year Colleges:				
Weighted Mean	13.8	0.1	14.0	(14.0)
Community College System:				
Com. Coll.'s	13.2	2.8	16.0	(14.6)
Tech. Inst.'s	13.4	3.0	16.3	(17.3)
Weighted Mean	13.4	2.9	16.3	(15.9)
GRAND WEIGHTED MEAN	12.0	0.7	12.7	(12.2)

*Excludes 2 medical schools.

Average Student Station Hours Per Week For Class Laboratories

Table 20 **Fall 1968**

INSTITUTION	Daytime	Nighttime	All Hours	
			1968	(1967)
Consolidated University:				
UNC-CH	12.7	0.2	12.9	(12.3)
UNC-CH(HA)	-	-	-	-
NCSU	9.6	0.4	10.0	(9.6)
UNC-G	9.1	0.2	9.2	(7.2)
UNC-C	5.5	0.0	5.6	(5.0)
Weighted Mean	9.8	0.3	10.1	(9.3)
Regional Universities:				
A&TU	6.4	0.4	6.8	(6.9)
ASU	10.9	0.1	11.1	(10.9)
ECU	12.9	1.0	13.9	(11.9)
WCU	6.1	0.0	6.1	(6.8)
Weighted Mean	9.2	0.5	9.6	(9.3)
Public Senior Colleges:				
A-BC	3.4	0.6	4.1	(2.9)
ECSC	9.3	0.8	10.1	(6.9)
FSC	7.3	0.8	8.1	(7.3)
NCC-D	5.3	0.1	5.3	(6.4)
NCSA	-	-	-	-
PSC	5.9	0.0	5.9	(6.3)
Wil C	8.4	0.2	8.6	(9.7)
WSSC	4.3	0.5	4.9	(5.0)
Weighted Mean	6.2	0.4	6.6	(6.5)

Average Student Station Hours Per Week For Class Laboratories (continued)

Table 20

Fall 1968

INSTITUTION	Daytime	Nighttime	All Hours 1968	 (1967)
Private Universities:				
Weighted Mean	3.8*	0.1-*	3.9*	-
Private 4-Year Colleges:				
Weighted Mean	4.7	0.1	4.8	(4.6)
Private 2-Year Colleges:				
Weighted Mean	9.8	0.2	10.0	(7.9)
Community College System:				
Com. Coll.'s	11.6	2.7	14.3	(14.8)
Tech. Inst.'s	13.4	3.6	17.0	(18.9)
Weighted Mean	12.7	3.3	16.0	(17.1)
GRAND WEIGHTED MEAN	8.6	1.0	9.6	(9.5)

*Excludes 2 medical schools

Percent Student Station Utilization For Classrooms

Table 21 **Fall 1968**

INSTITUTION	Daytime	Nighttime	All Hours 1968	(1967)
Consolidated University:				
UNC-CH	58.0	37.1	57.0	(59.6)
UNC-CH(HA)	-	-	-	-
NCSU	46.3	43.6	46.2	(53.7)
UNC-G	60.0	46.6	59.2	(58.3)
UNC-C	54.9	48.4	54.5	(54.7)
Weighted Mean	53.0	42.0	52.6	(56.8)
Regional Universities:				
A&TU	64.4	44.5	62.8	(60.2)
ASU	55.6	35.6	55.5	(53.1)
ECU	57.7	36.7	56.8	(62.4)
WCU	67.2	41.1	66.5	(62.5)
Weighted Mean	59.8	39.8	59.1	(59.9)
Public Senior Colleges:				
A-BC	46.5	37.6	46.1	(46.3)
ECSC	52.2	0.0	52.2	(50.9)
FSC	50.8	71.3	51.3	(46.4)
NCC-D	48.3	35.8	47.8	(51.0)
NCSA	-	-	-	-
PSC	58.1	0.0	58.1	(47.8)
Wil C	57.6	18.1	57.2	(62.4)
WSSC	53.2	63.2	53.8	(46.2)
Weighted Mean	51.9	45.5	51.7	(49.9)

Percent Student Station Utilization For Classrooms (continued)

Table 21

Fall 1968

INSTITUTION	Daytime	Nighttime	All Hours 1968	(1967)
Private Universities:				
Weighted Mean	47.0*	32.3*	46.7*	-
Private 4-Year Colleges:				
Weighted Mean	57.2	49.8	57.0	(55.0)
Private 2-Year Colleges:				
Weighted Mean	60.4	78.8	60.5	(63.3)
Community College System:				
Com. Coll.'s	58.8	50.8	57.2	(58.2)
Tech. Inst.'s	65.0	65.2	65.1	(62.7)
Weighted Mean	61.7	57.2	60.9	(60.3)
GRAND WEIGHTED MEAN	56.2	50.7	55.8	(57.2)

*Excludes 2 medical schools.

Percent Student Station Utilization For Class Laboratories

Table 22

Fall 1968

INSTITUTION	Daytime	Nighttime	All Hours 1968	(1967)
Consolidated University:				
UNC-CH	76.9	94.0	77.1	(74.2)
UNC-CH(HA)	-	-	-	-
NCSU	57.1	48.9	56.7	(73.9)
UNC-G	69.0	54.1	68.7	(69.4)
UNC-C	52.1	56.8	52.1	(66.4)
Weighted Mean	63.9	54.9	63.6	(72.7)
Regional Universities:				
A&TU	60.4	52.2	59.8	(61.0)
ASU	59.8	89.0	60.1	(67.9)
ECU	62.1	55.2	61.6	(89.3)
WCU	63.3	0.0	63.3	(76.7)
Weighted Mean	61.2	55.3	60.9	(74.3)
Public Senior Colleges:				
A-BC	35.3	77.1	38.4	(45.6)
ECSC	83.5	117.4	85.4	(66.1)
FSC	70.6	97.5	72.6	(71.2)
NCC-D	62.9	42.1	62.3	(64.2)
NCSA	-	-	-	-
PSC	44.9	0.0	44.9	(69.7)
Wil C	51.7	118.2	52.3	(61.1)
WSSC	73.2	113.1	76.2	(74.5)
Weighted Mean	61.1	95.4	62.4	(64.5)

Percent Student Station Utilization For Class Laboratories (continued)

Table 22

Fall 1968

INSTITUTION	Daytime	Nighttime	All Hours 1968	All Hours (1967)
Private Universities:				
Weighted Mean	51.1*	40.6*	51.0*	-
Private 4-Year Colleges:				
Weighted Mean	54.5	42.5	54.3	(56.1)
Private 2-Year Colleges:				
Weighted Mean	75.0	88.9	75.2	(72.0)
Community College System:				
Com. Coll.'s	66.1	58.4	64.5	(67.9)
Tech. Inst.'s	68.3	76.7	70.0	(70.5)
Weighted Mean	67.5	69.7	68.0	(69.5)
GRAND WEIGHTED MEAN	63.0	67.7	63.5	(68.5)

*Excludes 2 medical schools.

Selected Space Utilization Indices For Classrooms

Table 23 Fall 1968

INSTITUTION	Average Room Hours Per Week	Percent Student Station Utilization	Space Factor 1968	(1967)
Consolidated University:				
UNC-CH	23.6	57.0	1.15	(1.15)
UNC-CH(HA)	-	-	-	-
NCSU	26.9	46.2	1.06	(1.24)
UNC-G	23.5	59.2	0.99	(1.37)
UNC-C	13.8	54.5	1.49	(1.54)
Weighted Mean	23.4	52.6	1.20	(1.30)
Regional Universities:				
A&TU	13.5	62.8	1.88	(1.66)
ASU	23.2	55.5	1.22	(1.42)
ECU	30.4	56.8	0.86	(0.95)
WCU	29.7	66.5	0.93	(1.05)
Weighted Mean	23.8	59.1	1.12	(1.17)
Public Senior Colleges:				
A-BC	13.1	46.1	2.91	(2.24)
ECSC	18.4	52.2	1.47	(1.89)
FSC	18.4	51.3	1.50	(1.23)
NCC-D	23.1	47.8	1.37	(1.53)
NCSA	-	-	-	-
PSC	24.7	58.1	1.05	(1.41)
Wil C	28.3	57.2	1.08	(1.01)
WSSC	12.6	53.8	2.78	(2.27)
Weighted Mean	19.6	51.7	1.57	(1.66)

Selected Space Utilization Indices For Classrooms (continued)

Table 23

Fall 1968

INSTITUTION	Average Room Hours Per Week	Percent Student Station Utilization	Space Factor 1968	Space Factor (1967)
Private Universities:				
Weighted Mean	19.3*	46.7*	1.57*	-
Private 4-Year Colleges:				
Weighted Mean	10.1	57.0	1.68	(2.08)
Private 2-Year Colleges:				
Weighted Mean	21.8	60.5	1.21	(1.30)
Community College System:				
Com. Coll.'s	28.5	57.2	1.07	(1.18)
Tech. Inst.'s	23.2	65.1	1.38	(1.22)
Weighted Mean	25.6	60.9	1.21	(1.20)
GRAND WEIGHTED MEAN	21.2	55.8	1.28	(1.45)

*Excludes 2 medical schools.

Selected Space Utilization Indices For Class Laboratories

Table 24 Fall 1968

INSTITUTION	Average Room Hours Per Week	Percent Student Station Utilization	Space Factor 1968	(1967)
Consolidated University:				
UNC-CH	14.3	77.1	3.29	(7.10)
UNC-CH(HA)	-	-	-	-
NCSU	12.3	56.7	5.73	(5.48)
UNC-G	9.9	68.7	5.93	(5.99)
UNC-C	6.6	52.1	6.76	(9.62)
Weighted Mean	11.7	63.6	5.83	(7.03)
Regional Universities:				
A&TU	8.4	59.8	6.76	(8.84)
ASU	15.4	60.1	3.56	(3.20)
ECU	18.4	61.6	2.37	(2.11)
WCU	8.2	63.3	6.81	(4.76)
Weighted Mean	12.4	60.9	4.18	(4.04)
Public Senior Colleges:				
A-BC	9.2	38.4	9.33	(9.98)
ECSC	10.3	85.4	3.57	(4.60)
FSC	9.6	72.6	3.41	(1.60)
NCC-D	7.8	62.3	5.25	(4.82)
NCSA	-	-	-	-
PSC	11.4	44.9	5.47	(3.39)
Wil C	13.0	52.3	3.75	(3.05)
WSSC	5.2	76.2	6.62	(3.50)
Weighted Mean	9.2	62.4	4.67	(3.81)

Selected Space Utilization Indices For Class Laboratories
(continued)

Table 24

Fall 1968

INSTITUTION	Average Room Hours Per Week	Percent Student Station Utilization	Space Factor 1968	(1967)
Private Universities:				
Weighted Mean	5.0*	51.0*	7.56*	-
Private 4-Year Colleges:				
Weighted Mean	4.8	54.3	6.52	(8.40)
Private 2-Year Colleges:				
Weighted Mean	12.2	75.2	3.05	(4.00)
Community College System:				
Com. Coll.'s	19.7	64.5	3.37	(3.68)
Tech. Inst.'s	22.4	70.0	3.91	(4.26)
Weighted Mean	21.5	68.0	3.72	(4.00)
GRAND WEIGHTED MEAN	13.4	63.5	4.45	(4.80)

*Excludes 2 medical schools.

Comparative Ranges Of Selected Space Utilization Indices For Classrooms By Type Of Institution

Table 25

Fall 1968

INSTITUTION	Room Hrs. Per Week			% Student Sta. Utilization			Space Factor		
	High	Mean	Low	High	Mean	Low	High	Mean	Low
Consolidated University:	26.9	23.4	13.8	59.2	52.6	46.2	0.99	1.20	1.49
Regional Universities:	30.4	23.8	13.5	66.5	59.1	55.5	0.86	1.12	1.88
Public Senior Colleges:	28.3	19.6	12.6	58.1	51.7	46.1	1.05	1.57	2.91
Private Universities:	21.0	19.3	17.1	56.3	46.7	41.5	1.45	1.57	1.66
Private 4-Year Colleges:	30.0	10.1	6.6	71.4	57.0	45.0	0.93	1.68	4.22
Private 2-Year Colleges:	31.6	21.8	10.8	81.3	60.5	45.3	0.91	1.21	2.32
Community College Syst.:	43.8	25.6	9.0*	117.8	60.9	28.9*	0.65	1.21	8.53*
STATE RANGE	43.8	21.2	6.6*	117.8	55.8	28.9*	0.65	1.28	8.53*
TYPICAL STANDARD		30.0			60.0			0.833-0.900	

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* Discounts Martin Technical Institute which reported no utilization for classrooms.

Comparative Ranges Of Selected Space Utilization Indices For Class Laboratories By Type Of Institution

Table 26 **Fall 1968**

INSTITUTION	Room Hrs. Per Week			% Student Sta. Utilization			Space Factor		
	High	Mean	Low	High	Mean	Low	High	Mean	Low
Consolidated University:	14.3	11.7	6.6	77.1	63.6	52.1	3.29	5.83	6.76
Regional Universities:	18.4	12.4	8.2	63.3	60.9	59.8	2.37	4.18	6.81
Public Senior Colleges:	13.0	9.2	5.2	85.4	62.4	38.4	3.41	4.67	9.33
Private Universities:	5.6	5.0	4.2	52.2	51.0	50.3	7.12	7.56	8.38
Private 4-Year Colleges:	15.0	4.8	3.1	80.3	54.3	29.3	3.31	6.52	14.28
Private 2-Year Colleges:	19.8	12.2	6.3	177.2	75.2	41.9	1.55	3.05	11.21
Community College Syst.:	45.6	21.5	8.0	102.7	68.0	33.8	2.01	3.72	11.33
STATE RANGE	45.6	13.4	3.1	177.2	63.5	29.3	1.55	4.45	14.28
TYPICAL STANDARD		20.0			80.0			3.00-5.00	

Table 27

Comparison Between North Carolina and Other States of Actual Classroom and Class Laboratory Utilization, Showing Average Room Hours Per Week And (Percent Student Station Utilization)

State	Classrooms		Class Laboratories	
NORTH CAROLINA (1968)				
Public universities	22.6	(55.1%)	11.1	(62.4%)
Public senior colleges	19.6	(51.7%)	9.2	(62.4%)
Community college system	25.6	(60.9%)	21.5	(68.0%)
Private universities	19.3	(46.7%)	5.0	(51.0%)
Private 4-year colleges	10.1	(57.0%)	4.8	(54.3%)
Private 2-year colleges	21.8	(60.5%)	12.2	(75.2%)
Total public and private institutions	21.2	(55.8%)	13.4	(63.5%)
FLORIDA (1968)				
Public colleges and universities	24.4	(58.8%)	8.6	(57.9%)
Public junior colleges	22.7	(60.0%)	14.0	(59.6%)
Private colleges and universities	16.6	(51.4%)	3.4	(66.4%)
Private junior colleges	19.0	(52.4%)	0.0	(0.0%)
Total public and private institutions	21.9	(57.9%)	9.1	(59.9%)
ILLINOIS (1967)				
Public universities	31.6	(61.5%)	22.1	(78.3%)
Public junior colleges	41.7	(71.3%)	29.2	(85.7%)
Private universities	23.5	(53.5%)	14.3	(71.0%)
Private 4-year colleges	21.9	(55.7%)	15.3	(71.0%)
Private junior colleges	21.4	(62.4%)	14.5	(79.0%)
Total public and private institutions	26.0	(58.7%)	17.6	(75.3%)
INDIANA (1967)				
Public universities	32.8	-	20.2	(65 %)
Private colleges	22.0	-	14.6	(60 %)
Total public and private institutions	26.7	(55 %)	17.5	(64 %)
SOUTH DAKOTA (1967)				
Public colleges and universities	26.4	(61.1%)	15.1	(72.6%)
Private colleges and universities	19.3	(51.5%)	7.9	(67.0%)
Total public and private institutions	23.2	(55.5%)	12.8	(72.5%)
WEST VIRGINIA (1967)				
Public universities	25	(84.1%)	15	(93.1%)
Public colleges	24	(62.0%)	17	(72.4%)
Private colleges	27	(57.9%)	13	(74.3%)
Junior colleges	22	(59.5%)	18	(65.9%)

Recommended Utilization Standards
Selected States
Showing
Average Room Hours Per Week and (Percentage Occupancy)

Table 28

State	Classrooms		Class Laboratories	
California:				
Lower Division	34	(66.0%)	25	(85.0%)
Upper Division	34	(66.0%)	20	(80.0%)
Florida:				
Jr. Colleges to 999 Students	28	(60.0%)	18	(80.0%)
1,000 - 1,999 Students	28	(65.0%)	21	(80.0%)
2,000 (plus) Students	28	(70.0%)	24	(80.0%)
Senior Colleges	30	(60.0%)	20	(80.0%)
Universities	33	(60.0%)	21	(80.0%)
Illinois	30	(60.0%)	20	(80.0%)
Kentucky	31	(66.0%)	22	(85.0%)
Oklahoma:				
1 - 999 Students	27	(66.6%)	24	(80.0%)
1,000 - 3,000 Students	28.5	(66.6%)	24	(80.0%)
3,000 (plus) Students	30	(66.6%)	24	(80.0%)
Oregon	30	(60.0%)	20	(80.0%)
South Dakota	30	(67.0%)	24	(80.0%)
Texas	30	(55.6%)[1]	20	(60.0%)[2]
Virginia	30	(60.0%)	20	(80.0%)
West Virginia	30	(66.6%)	20	(80.0%)

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[1] Suggested percent occupancy based on an assumed 15 sq. ft. per student station.

[2] Suggested percent occupancy variable with size of student station by program.

Recommended "Space Factors" For Classrooms and Class Laboratories, Selected States

Table 29

Room-Type	State	Av Rm Hrs Per Wk	% Stu Sta Occupancy	Sq Ft Per Stu Sta	Space Factor
CLASSROOMS					
	California	34	66.0%	15	0.668
	Florida	28-33[1]	60-70%[1]	15-18[1]	0.758-0.918
	Illinois	30	60.0%	15	0.833
	Kentucky	31	66.0%	9-17[2]	0.440-0.831
	Oklahoma	27-30[1]	66.6%	15-16[2]	0.758-0.898
	Oregon	30	60.0%	9-20[2]	0.500-1.111
	South Dakota	30	67.0%	9-20[2]	0.448-0.995
	Texas	30	55.6%	15	0.900
	Virginia	30	60.0%	15	0.833
	West Virginia	30	66.6%	15	0.751
LABORATORIES					
	California	20-25[3]	80-85.0%[1]	30-200[3]	1.412-12.500
	Florida	18-21[1]	80.0%	55	3.274-3.819
	Illinois	20	80.0%	68	4.250
	Kentucky	22	85.0%	35-60[1]	1.872-3.209
	Oklahoma	24	80.0%	38-144[3]	1.979-7.500
	Oregon	20	80.0%	30-50[3]	1.875-3.125
	South Dakota	24	80.0%	20-150[3]	1.042-7.813
	Texas	20	60.0%	25-60[3]	2.500-5.000
	Virginia	20	80.0%	40	2.500
	West Virginia	20	80.0%	40	2.500

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[1] Varies with institution enrollment and/or institution level.

[2] Varies with type of classroom and type of seating therein.

[3] Varies with disciplinary area and type of laboratory.

Appendix A

Supplementary Data For Community Colleges and Technical Institutes

Table A-1

Ownership Of Buildings

Fall 1968

INSTITUTION	Owned			Leased Or Rented			Made Available At Nominal Or No Cost			Lease-Purchase Arrangements			Shared With Another Institution			Total		
	No. of Bldgs.	Gross Sq. Ft.	%	No. of Bldgs	Gross Sq. Ft.	%	No. of Bldgs.	Gross Sq. Ft.	%	No. of Bldgs.	Gross Sq. Ft.	%	No. of Bldgs.	Gross Sq. Ft.	%	No. of Bldgs.	Gross Sq. Ft.	%
Community Colleges:																		
CP CC	7	208,498	100.0	-	-	-	-	-	-	-	-	-	-	-	-	7	208,498	100.0
C of A	5	61,088	81.0	-	-	-	4	14,362	19.0	-	-	-	-	-	-	9	75,450	100.0
DC CC	2	83,836	100.0	-	-	-	-	-	-	-	-	-	-	-	-	2	83,836	100.0
Gas C	10	146,714	100.0	-	-	-	-	-	-	-	-	-	-	-	-	10	146,714	100.0
Iso CC	5	59,852	100.0	-	-	-	-	-	-	-	-	-	-	-	-	5	59,852	100.0
LC CC	3	72,898	100.0	-	-	-	-	-	-	-	-	-	-	-	-	3	72,898	100.0
Roc CC	4	114,186	100.0	-	-	-	-	-	-	-	-	-	-	-	-	4	114,186	100.0
San CC	5	106,820	100.0	-	-	-	-	-	-	-	-	-	-	-	-	5	106,820	100.0
S/E CC	4	77,323	100.0	-	-	-	-	-	-	-	-	-	-	-	-	4	77,323	100.0
Sur CC	4	67,901	100.0	-	-	-	-	-	-	-	-	-	-	-	-	4	67,901	100.0
Way CC	10	59,186	100.0	-	-	-	-	-	-	-	-	-	-	-	-	10	59,186	100.0
WP CC	4	69,283	100.0	-	-	-	-	-	-	-	-	-	-	-	-	4	69,283	100.0
TOTAL	63	1,127,585	98.7	-	-	-	4	14,362	1.3	-	-	-	-	-	-	67	1,141,947	100.0

Table A-1 (Cont'd)

Ownership of Buildings
Fall 1968

INSTITUTION	Owned			Leased Or Rented			Made Available At Nominal Or No Cost			Lease-Purchase Arrangements			Shared With Another Institution			Total		
	No. of Bldgs.	Gross Sq. Ft.	%	No. of. Bldgs.	Gross Sq. Ft.	%	No. of Bldgs.	Gross Sq. Ft.	%	No. of Bldgs.	Gross Sq. Ft.	%	No. of Bldgs.	Gross Sq. Ft.	%	No. of Bldgs.	Gross Sq. Ft.	%
Technical Institutes:																		
Ans TI	-	-	-	-	-	-	4	16,692	100.0	-	-	-	-	-	-	4	16,692	100.0
A-B TI	6	96,481	100.0	-	-	-	-	-	-	-	-	-	-	-	-	6	96,481	100.0
Bea TI	-	-	-	4	22,680	87.2	1	3,325	12.8	-	-	-	-	-	-	5	26,005	100.0
Bla TI	-	-	-	2	9,945	48.8	-	-	-	2	10,432	51.2	-	-	-	4	20,377	100.0
Cal TI	2	58,585	100.0	-	-	-	-	-	-	-	-	-	-	-	-	2	58,585	100.0
CF TI	3	49,813	94.2	-	-	-	1	651	1.3	-	-	-	1	2,400	4.5	5	52,864	100.0
Car TI	1	3,208	21.4	-	-	-	2	11,769	78.6	-	-	-	-	-	-	3	14,977	100.0
CV TI	12	69,907	100.0	-	-	-	-	-	-	-	-	-	-	-	-	12	69,907	100.0
CC TI	5	55,610	91.1	-	-	-	1	5,429	8.9	-	-	-	-	-	-	6	61,039	100.0
Cle TI	-	-	-	3	18,732	100.0	-	-	-	-	-	-	-	-	-	3	18,732	100.0
Cra TI	-	-	-	3	14,330	67.9	1	6,786	32.1	-	-	-	-	-	-	4	21,116	100.0
Dur TI	4	46,822	100.0	-	-	-	-	-	-	-	-	-	-	-	-	4	46,822	100.0
Edg TI	1	17,209	100.0	-	-	-	-	-	-	-	-	-	-	-	-	1	17,209	100.0
Fay TI	10	71,248	100.0	-	-	-	-	-	-	-	-	-	-	-	-	10	71,248	100.0
For TI	5	78,626	100.0	-	-	-	-	-	-	-	-	-	-	-	-	5	78,626	100.0
Gui TI	7	108,787	100.0	-	-	-	-	-	-	-	-	-	-	-	-	7	108,787	100.0
Hal TI	3	23,780	100.0	-	-	-	-	-	-	-	-	-	-	-	-	3	23,780	100.0
Hay TI	-	-	-	1	1,000	4.9	1	1,000	4.9	-	-	-	3	18,576	90.2	5	20,576	100.0
JS I	2	25,104	100.0	-	-	-	-	-	-	-	-	-	-	-	-	2	25,104	100.0
Mar TI	-	-	-	1	9,000	34.5	2	17,075	65.5	-	-	-	-	-	-	3	26,075	100.0
McD TI	-	-	-	3	13,780	100.0	-	-	-	-	-	-	-	-	-	3	13,780	100.0
Mon TI	-	-	-	-	-	-	1	9,807	100.0	-	-	-	-	-	-	1	9,807	100.0
Nas TI	-	-	-	-	-	-	1	30,000	100.0	-	-	-	-	-	-	1	30,000	100.0
Ons TI	4	44,552	100.0	-	-	-	-	-	-	-	-	-	-	-	-	4	44,552	100.0
Pam TI	-	-	-	-	-	-	4	11,110	100.0	-	-	-	-	-	-	4	11,110	100.0
Pit TI	1	33,441	100.0	-	-	-	-	-	-	-	-	-	-	-	-	1	33,441	100.0
Ran TI	4	44,363	100.0	-	-	-	-	-	-	-	-	-	-	-	-	4	44,363	100.0
Ric TI	1	42,628	78.0	1	7,590	13.9	3	4,466	8.1	-	-	-	-	-	-	5	54,684	100.0
Roa TI	-	-	-	-	-	-	6	12,458	100.0	-	-	-	-	-	-	6	12,458	100.0
Rob TI	-	-	-	-	-	-	8	33,651	100.0	-	-	-	-	-	-	8	33,651	100.0
Row TI	3	47,517	100.0	-	-	-	-	-	-	-	-	-	-	-	-	3	47,517	100.0
Sam TI	-	-	-	-	-	-	7	27,451	100.0	-	-	-	-	-	-	7	27,451	100.0
S/W TI	1	17,800	94.2	-	-	-	1	1,100	5.8	-	-	-	-	-	-	2	18,900	100.0
TI of A	3	60,562	100.0	-	-	-	-	-	-	-	-	-	-	-	-	3	60,562	100.0
Tri TI	11	19,384	100.0	-	-	-	-	-	-	-	-	-	-	-	-	11	19,384	100.0
WC TI	5	51,843	100.0	-	-	-	-	-	-	-	-	-	-	-	-	5	51,843	100.0
WYH TI	5	48,311	66.5	4	13,195	18.2	1	11,122	15.3	-	-	-	-	-	-	10	72,628	100.0
TOTAL	99	1,115,581	76.4	22	110,252	7.5	45	203,892	14.0	2	10,432	0.7	4	20,976	1.4	172	1,461,133	100.0

Table A-2

Capital Investment In Buildings And Gross Square Feet By Residential And Non-Residential Categories
Fall 1968

INSTITUTION	ACTUAL CAPITAL INVESTMENT									GROSS SQUARE FEET								
	Non-Residential			Residential			Total			Non-Residential			Residential			Total		
	No. of Bldgs.	Dollars	%	No. of Bldgs.	Dollars	%	No. of Bldgs.	Dollars	%	No. of Bldgs.	Gross Sq. Ft.	%	No. of Bldgs.	Gross Sq. Ft.	%	No. of Bldgs.	Gross Sq. Ft.	%
Community Colleges:																		
CP CC	7	2,606,000	100.0	-	-	-	7	2,606,000	100.0	7	208,498	100.0	-	-	-	7	208,498	100.0
C of A	9	487,000	100.0	-	-	-	9	487,000	100.0	9	75,450	100.0	-	-	-	9	75,450	100.0
DC CC	2	1,397,000	100.0	-	-	-	2	1,397,000	100.0	2	83,836	100.0	-	-	-	2	83,836	100.0
Gas C	10	2,498,000	100.0	-	-	-	10	2,498,000	100.0	10	146,714	100.0	-	-	-	10	146,714	100.0
Iso CC	5	1,555,000	100.0	-	-	-	5	1,555,000	100.0	5	59,852	100.0	-	-	-	5	59,852	100.0
LC CC	3	1,115,000	100.0	-	-	-	3	1,115,000	100.0	3	72,898	100.0	-	-	-	3	72,898	100.0
Roc CC	4	2,099,000	100.0	-	-	-	4	2,099,000	100.0	4	114,186	100.0	-	-	-	4	114,186	100.0
San CC	4	1,566,000	96.8	1	52,000	3.2	5	1,618,000	100.0	4	101,475	95.0	1	5,345	5.0	5	106,820	100.0
S/E CC	4	1,289,000	100.0	-	-	-	4	1,289,000	100.0	4	77,323	100.0	-	-	-	4	77,323	100.0
Sur CC	4	1,335,000	100.0	-	-	-	4	1,335,000	100.0	4	67,901	100.0	-	-	-	4	67,901	100.0
Way CC	10	620,000	100.0	-	-	-	10	620,000	100.0	10	59,186	100.0	-	-	-	10	59,186	100.0
WP CC	4	1,369,000	100.0	-	-	-	4	1,369,000	100.0	4	69,283	100.0	-	-	-	4	69,283	100.0
TOTAL	66	17,936,000	99.7	1	52,000	0.3	67	17,988,000	100.0	66	1,136,602	99.5	1	5,345	0.5	67	1,141,947	100.0

Table A-2 (Cont'd)

Capital Investment In Buildings And Gross Square Feet By Residential And Non-Residential Categories

Fall 1968

INSTITUTION	ACTUAL CAPITAL INVESTMENT									GROSS SQUARE FEET								
	Non-Residential			Residential			Total			Non-Residential			Residential			Total		
	No. of Bldgs.	Dollars	%	No. of Bldgs.	Dollars	%	No. of Bldgs.	Dollars	%	No. of Bldgs.	Gross Sq. Ft.	%	No. of Bldgs.	Gross Sq. Ft.	%	No. of Bldgs.	Gross Sq. Ft.	%
Technical Institutes:																		
Ans TI	4	116,000	100.0	-	-	-	4	116,000	100.0	4	16,692	100.0	-	-	-	4	16,692	100.0
A-B TI	6	1,233,000	100.0	-	-	-	6	1,233,000	100.0	6	96,481	100.0	-	-	-	6	96,481	100.0
Bea TI	5	42,000	100.0	-	-	-	5	42,000	100.0	5	26,005	100.0	-	-	-	5	26,005	100.0
Bla TI	4	-	-	-	-	-	4	-	-	4	20,377	100.0	-	-	-	4	20,377	100.0
Cal TI	2	1,399,000	100.0	-	-	-	2	1,399,000	100.0	2	58,585	100.0	-	-	-	2	58,585	100.0
CF TI	5	965,000	100.0	-	-	-	5	965,000	100.0	5	52,864	100.0	-	-	-	5	52,864	100.0
Car TI	3	-	-	-	-	-	3	-	-	3	14,977	100.0	-	-	-	3	14,977	100.0
CV TI	12	1,021,000	100.0	-	-	-	12	1,021,000	100.0	12	69,907	100.0	-	-	-	12	69,907	100.0
CC TI	6	575,000	100.0	-	-	-	6	575,000	100.0	6	61,039	100.0	-	-	-	6	61,039	100.0
Cle TI	3	-	-	-	-	-	3	-	-	3	18,732	100.0	-	-	-	3	18,732	100.0
Cra TI	4	-	-	-	-	-	4	-	-	4	21,116	100.0	-	-	-	4	21,116	100.0
Dur TI	4	501,000	100.0	-	-	-	4	501,000	100.0	4	46,822	100.0	-	-	-	4	46,822	100.0
Edg TI	1	117,000	100.0	-	-	-	1	117,000	100.0	1	17,209	100.0	-	-	-	1	17,209	100.0
Fay TI	10	961,000	100.0	-	-	-	10	961,000	100.0	10	71,248	100.0	-	-	-	10	71,248	100.0
For TI	5	1,063,000	100.0	-	-	-	5	1,063,000	100.0	5	78,626	100.0	-	-	-	5	78,626	100.0
Gui TI	7	898,000	100.0	-	-	-	7	898,000	100.0	7	108,787	100.0	-	-	-	7	108,787	100.0
Hal TI	3	60,000	100.0	-	-	-	3	60,000	100.0	3	23,780	100.0	-	-	-	3	23,780	100.0
Hay TI	5	-	-	-	-	-	5	-	-	5	20,576	100.0	-	-	-	5	20,576	100.0
JS I	2	266,000	100.0	-	-	-	2	266,000	100.0	2	25,104	100.0	-	-	-	2	25,104	100.0
Mar TI	3	14,000	100.0	-	-	-	3	14,000	100.0	3	26,075	100.0	-	-	-	3	26,075	100.0
McD TI	3	-	-	-	-	-	3	-	-	3	13,780	100.0	-	-	-	3	13,780	100.0
Mon TI	1	88,000	100.0	-	-	-	1	88,000	100.0	1	9,807	100.0	-	-	-	1	9,807	100.0
Nas TI	1	285,000	100.0	-	-	-	1	285,000	100.0	1	30,000	100.0	-	-	-	1	30,000	100.0
Ons TI	4	50,000	100.0	-	-	-	4	50,000	100.0	4	44,552	100.0	-	-	-	4	44,552	100.0
Pam TI	4	6,000	100.0	-	-	-	4	6,000	100.0	4	11,110	100.0	-	-	-	4	11,110	100.0
Pit TI	1	450,000	100.0	-	-	-	1	450,000	100.0	1	33,441	100.0	-	-	-	1	33,441	100.0
Ran TI	4	619,000	100.0	-	-	-	4	619,000	100.0	4	44,363	100.0	-	-	-	4	44,363	100.0
Ric TI	5	700,000	100.0	-	-	-	5	700,000	100.0	5	54,684	100.0	-	-	-	5	54,684	100.0
Roa TI	6	-	-	-	-	-	6	-	-	6	12,458	100.0	-	-	-	6	12,458	100.0
Rob TI	8	-	-	-	-	-	8	-	-	8	33,651	100.0	-	-	-	8	33,651	100.0
Row TI	3	525,000	100.0	-	-	-	3	525,000	100.0	3	47,517	100.0	-	-	-	3	47,517	100.0
Sam TI	7	11,000	100.0	-	-	-	7	11,000	100.0	7	27,451	100.0	-	-	-	7	27,451	100.0
S/W TI	2	90,000	100.0	-	-	-	2	90,000	100.0	2	18,900	100.0	-	-	-	2	18,900	100.0
TI of A	3	692,000	100.0	-	-	-	3	692,000	100.0	3	60,562	100.0	-	-	-	3	60,562	100.0
Tri TI	11	99,000	100.0	-	-	-	11	99,000	100.0	11	19,384	100.0	-	-	-	11	19,384	100.0
WC TI	5	489,000	100.0	-	-	-	5	489,000	100.0	5	51,843	100.0	-	-	-	5	51,843	100.0
WWH TI	10	623,000	100.0	-	-	-	10	623,000	100.0	10	72,628	100.0	-	-	-	10	72,628	100.0
TOTAL	172	13,958,000	100.0	-	-	-	172	13,958,000	100.0	172	1,461,133	100.0	-	-	-	172	1,461,133	100.0

Table A-3

Estimated Replacement Value of Buildings and Gross Square Feet By Residential and Non-Residential Categories
Fall 1968

INSTITUTION	NON-RESIDENTIAL				RESIDENTIAL				TOTAL			
	Gross Sq. Ft.	Actual Capital Investment	Estimated Replacement Value	%	Gross Sq. Ft.	Actual Capital Investment	Estimated Replacement Value	%	Gross Sq. Ft.	Actual Capital Investment	Estimated Replacement Value	%
Community Colleges:												
CP CC	208,498	2,606,000	5,131,000	100.0	-	-	-	-	208,498	2,606,000	5,131,000	100.0
C of A	75,450	487,000	1,383,000	100.0	-	-	-	-	75,450	487,000	1,383,000	100.0
DC CC	83,836	1,397,000	1,550,000	100.0	-	-	-	-	83,836	1,397,000	1,550,000	100.0
Gas C	146,714	2,498,000	2,822,000	100.0	-	-	-	-	146,714	2,498,000	2,822,000	100.0
Iso CC	59,852	1,555,000	1,704,000	100.0	-	-	-	-	59,852	1,555,000	1,704,000	100.0
LC CC	72,898	1,115,000	1,115,000	100.0	-	-	-	-	72,898	1,115,000	1,115,000	100.0
Roc CC	114,186	2,099,000	2,414,000	100.0	-	-	-	-	114,186	2,099,000	2,414,000	100.0
San CC	101,475	1,566,000	1,740,000	96.7	5,345	52,000	60,000	3.3	106,820	1,618,000	1,800,000	100.0
S/E CC	77,323	1,289,000	1,417,000	100.0	-	-	-	-	77,323	1,289,000	1,417,000	100.0
Sur CC	67,901	1,335,000	1,401,000	100.0	-	-	-	-	67,901	1,335,000	1,401,000	100.0
Way CC	59,186	620,000	781,000	100.0	-	-	-	-	59,186	620,000	781,000	100.0
WP CC	69,283	1,369,000	1,522,000	100.0	-	-	-	-	69,283	1,369,000	1,522,000	100.0
TOTAL	1,136,602	17,936,000	22,980,000	99.7	5,345	52,000	60,000	0.3	1,141,947	17,988,000	23,040,000	100.0

Table A-3 (Cont'd)

Estimated Replacement Value of Buildings and Gross Square Feet By Residential and Non-Residential Categories
Fall 1968

INSTITUTION	NON-RESIDENTIAL Gross Sq. Ft.	NON-RESIDENTIAL Actual Capital Investment	NON-RESIDENTIAL Estimated Replacement Value	NON-RESIDENTIAL %	RESIDENTIAL Gross Sq. Ft.	RESIDENTIAL Actual Capital Investment	RESIDENTIAL Estimated Replacement Value	RESIDENTIAL %	TOTAL Gross Sq. Ft.	TOTAL Actual Capital Investment	TOTAL Estimated Replacement Value	TOTAL %
Technical Institutes:												
Ans TI	16,692	116,000	167,000	100.0	-	-	-	-	16,692	116,000	167,000	100.0
A-B TI	96,481	1,233,000	1,739,000	100.0	-	-	-	-	96,481	1,233,000	1,739,000	100.0
Bea TI	26,005	42,000	404,000	100.0	-	-	-	-	26,005	42,000	404,000	100.0
Bla TI	20,377	-	198,000	100.0	-	-	-	-	20,377	-	198,000	100.0
Cal TI	58,585	1,399,000	1,414,000	100.0	-	-	-	-	58,585	1,399,000	1,414,000	100.0
CF TI	52,864	965,000	1,798,000	100.0	-	-	-	-	52,864	965,000	1,798,000	100.0
Car TI	14,977	-	230,000	100.0	-	-	-	-	14,977	-	230,000	100.0
CV TI	69,907	1,021,000	1,304,000	100.0	-	-	-	-	69,907	1,021,000	1,304,000	100.0
CC TI	61,039	575,000	819,000	100.0	-	-	-	-	61,039	575,000	819,000	100.0
Cle TI	18,732	-	126,000	100.0	-	-	-	-	18,732	-	126,000	100.0
Cra TI	21,116	-	379,000	100.0	-	-	-	-	21,116	-	379,000	100.0
Dur TI	46,822	501,000	696,000	100.0	-	-	-	-	46,822	501,000	696,000	100.0
Edg TI	17,209	117,000	327,000	100.0	-	-	-	-	17,209	117,000	327,000	100.0
Fay TI	71,248	961,000	1,362,000	100.0	-	-	-	-	71,248	961,000	1,362,000	100.0
For TI	78,626	1,063,000	1,277,000	100.0	-	-	-	-	78,626	1,063,000	1,277,000	100.0
Gui TI	108,787	898,000	1,584,000	100.0	-	-	-	-	108,787	898,000	1,584,000	100.0
Hal TI	23,780	60,000	248,000	100.0	-	-	-	-	23,780	60,000	248,000	100.0
Hay TI	20,576	-	333,000	100.0	-	-	-	-	20,576	-	333,000	100.0
JS I	25,104	266,000	346,000	100.0	-	-	-	-	25,104	266,000	346,000	100.0
Mar TI	26,075	14,000	196,000	100.0	-	-	-	-	26,075	14,000	196,000	100.0
McD TI	13,780	-	176,000	100.0	-	-	-	-	13,780	-	176,000	100.0
Mon TI	9,807	88,000	98,000	100.0	-	-	-	-	9,807	88,000	98,000	100.0
Nas TI	30,000	285,000	350,000	100.0	-	-	-	-	30,000	285,000	350,000	100.0
Ons TI	44,552	50,000	1,113,000	100.0	-	-	-	-	44,552	50,000	1,113,000	100.0
Pam TI	11,110	6,000	84,000	100.0	-	-	-	-	11,110	6,000	84,000	100.0
Pit TI	33,441	450,000	668,000	100.0	-	-	-	-	33,441	450,000	668,000	100.0
Ran TI	44,363	619,000	809,000	100.0	-	-	-	-	44,363	619,000	809,000	100.0
Ric TI	54,684	700,000	914,000	100.0	-	-	-	-	54,684	700,000	914,000	100.0
Roa TI	12,458	-	88,000	100.0	-	-	-	-	12,458	-	88,000	100.0
Rob TI	33,651	-	575,000	100.0	-	-	-	-	33,651	-	575,000	100.0
Row TI	47,517	525,000	838,000	100.0	-	-	-	-	47,517	525,000	838,000	100.0
Sam TI	27,451	11,000	335,000	100.0	-	-	-	-	27,451	11,000	335,000	100.0
S/W TI	18,900	90,000	195,000	100.0	-	-	-	-	18,900	90,000	195,000	100.0
TI of A	60,562	692,000	905,000	100.0	-	-	-	-	60,562	692,000	905,000	100.0
Tri TI	19,384	99,000	189,000	100.0	-	-	-	-	19,384	99,000	189,000	100.0
WC TI	51,843	489,000	848,000	100.0	-	-	-	-	51,843	489,000	848,000	100.0
WWH TI	72,628	623,000	1,120,000	100.0	-	-	-	-	72,628	623,000	1,120,000	100.0
TOTAL	1,461,133	13,958,000	24,252,000	100.0	-	-	-	-	1,461,133	13,958,000	24,252,000	100.0

Table A-4

Age Of Buildings, Reported By Gross Square Feet Per Age Classification. (Includes All Space, Owned And Not Owned)
Fall 1968

INSTITUTION	Unknown	%	69 Years And Older	%	30-68 Years	%	20-29 Years	%	9-19 Years	%	9 Years Or Less	%	Total	%
Community Colleges:														
CP CC	8,619	4.1	-	-	102,555	49.2	-	-	19,038	9.1	78,286	37.6	208,498	100.0
C of A	7,470	9.9	-	-	21,223	28.1	24,841	32.9	-	-	21,916	29.1	75,450	100.0
DC CC	-	-	-	-	-	-	-	-	-	-	83,836	100.0	83,836	100.0
Gas C	-	-	-	-	-	-	-	-	1,400	1.0	145,314	99.0	146,714	100.0
Iso CC	-	-	-	-	-	-	-	-	-	-	59,852	100.0	59,852	100.0
LC CC	-	-	-	-	-	-	-	-	-	-	72,898	100.0	72,898	100.0
Roc CC	-	-	-	-	-	-	-	-	-	-	114,186	100.0	114,186	100.0
San CC	-	-	-	-	-	-	-	-	-	-	106,820	100.0	106,820	100.0
S/E CC	-	-	-	-	-	-	-	-	-	-	77,323	100.0	77,323	100.0
Sur CC	-	-	-	-	-	-	-	-	-	-	67,901	100.0	67,901	100.0
Way CC	-	-	-	-	-	-	-	-	16,180	27.3	43,006	72.7	59,186	100.0
WP CC	-	-	-	-	-	-	-	-	-	-	69,283	100.0	69,283	100.0
TOTAL	16,089	1.4	-	-	123,778	10.8	24,841	2.2	36,618	3.2	940,621	82.4	1,141,947	100.0

Table A-4 (Cont'd)

Age Of Buildings, Reported By Gross Square Feet Per Age Classification. (Includes All Space, Owned And Not Owned) Fall 1968

INSTITUTION	Unknown	%	69 Years And Older	%	30-68 Years	%	20-29 Years	%	9-19 Years	%	9 Years Or Less	%	Total	%
Technical Institutes:														
Ans TI	-	-	-	-	-	-	-	-	-	-	16,692	100.0	16,692	100.0
A-B TI	4,905	5.1	-	-	-	-	-	-	-	-	91,576	94.9	96,481	100.0
Bea TI	-	-	-	-	21,424	82.4	1,496	5.7	3,085	11.9	-	-	26,005	100.0
Bla TI	19,577	96.1	-	-	-	-	-	-	-	-	800	3.9	20,377	100.0
Cal TI	-	-	-	-	-	-	-	-	-	-	58,585	100.0	58,585	100.0
CF TI	2,400	4.5	-	-	-	-	2,300	4.4	-	-	48,164	91.1	52,864	100.0
Car TI	14,977	100.0	-	-	-	-	-	-	-	-	-	-	14,977	100.0
CV TI	-	-	-	-	-	-	-	-	-	-	69,907	100.0	69,907	100.0
CC TI	-	-	-	-	5,429	8.9	-	-	-	-	55,610	91.1	61,039	100.0
Cle TI	18,732	100.0	-	-	-	-	-	-	-	-	-	-	18,732	100.0
Cra TI	21,116	100.0	-	-	-	-	-	-	-	-	-	-	21,116	100.0
Dur TI	-	-	-	-	-	-	-	-	-	-	46,822	100.0	46,822	100.0
Edg TI	-	-	-	-	17,209	100.0	-	-	-	-	-	-	17,209	100.0
Fay TI	-	-	-	-	-	-	-	-	-	-	71,248	100.0	71,248	100.0
For TI	-	-	-	-	-	-	-	-	-	-	78,626	100.0	78,626	100.0
Gui TI	-	-	-	-	40,799	37.5	-	-	15,050	13.8	52,938	48.7	108,787	100.0
Hal TI	-	-	-	-	-	-	-	-	23,780	100.0	-	-	23,780	100.0
Hay TI	-	-	-	-	15,676	76.2	-	-	-	-	4,900	23.8	20,576	100.0
JS I	-	-	-	-	-	-	-	-	-	-	25,104	100.0	25,104	100.0
Mar TI	-	-	-	-	12,000	46.0	-	-	9,000	34.5	5,075	19.5	26,075	100.0
McD TI	13,780	100.0	-	-	-	-	-	-	-	-	-	-	13,780	100.0
Mon TI	-	-	-	-	-	-	-	-	9,807	100.0	-	-	9,807	100.0
Nas TI	-	-	-	-	-	-	-	-	30,000	100.0	-	-	30,000	100.0
Ons TI	-	-	-	-	-	-	-	-	38,549	86.5	6,003	13.5	44,552	100.0
Pam TI	11,110	100.0	-	-	-	-	-	-	-	-	-	-	11,110	100.0
Pit TI	-	-	-	-	-	-	-	-	-	-	33,441	100.0	33,441	100.0
Ran TI	-	-	-	-	-	-	-	-	-	-	44,363	100.0	44,363	100.0
Ric TI	12,056	22.0	-	-	-	-	-	-	-	-	42,628	78.0	54,684	100.0
Roa TI	12,458	100.0	-	-	-	-	-	-	-	-	-	-	12,458	100.0
Rob TI	2,026	6.0	-	-	14,020	41.7	1,270	3.8	7,955	23.6	8,380	24.9	33,651	100.0
Row TI	-	-	-	-	-	-	-	-	-	-	47,517	100.0	47,517	100.0
Sam TI	-	-	-	-	-	-	13,632	49.6	3,450	12.6	10,369	37.8	27,451	100.0
S/W TI	-	-	-	-	-	-	-	-	-	-	18,900	100.0	18,900	100.0
TI of A	-	-	-	-	-	-	-	-	30,087	49.7	30,475	50.3	60,562	100.0
Tri TI	-	-	-	-	-	-	10,719	55.3	-	-	8,665	44.7	19,384	100.0
WC TI	-	-	-	-	-	-	-	-	25,920	50.0	25,923	50.0	51,843	100.0
WWH TI	13,795	19.0	-	-	-	-	-	-	-	-	58,833	81.0	72,628	100.0
TOTAL	146,932	10.0	-	-	126,557	8.7	29,417	2.0	196,683	13.5	961,544	65.8	1,461,133	.100.0

Table A-5

Condition Of Buildings As Reported By Institution
(Includes All Space, Owned And Not Owned)
Fall 1968

INSTITUTION	Satisfactory		Needs Major Rehabilitation		Should Be Razed		Total	
	Gross Sq. Ft.	%	Gross Sq. Ft.	%	Gross Sq. Ft.	%	Gross Sq.. Ft.	%
Community Colleges:								
CP CC	180,841	86.7	27,657	13.3	-	-	208,498	100.0
C of A	51,239	67.9	2,988	4.0	21,223	28.1	75,450	100.0
DC CC	83,836	100.0	-	-	-	-	83,836	100.0
Gas C	145,314	99.0	-	-	1,400	1.0	146,714	100.0
Iso CC	59,852	100.0	-	-	-	-	59,852	100.0
LC CC	72,898	100.0	-	-	-	-	72,898	100.0
Roc CC	114,186	100.0	-	-	-	-	114,186	100.0
San CC	106,820	100.0	-	-	-	-	106,820	100.0
S/E CC	77,323	100.0	-	-	-	-	77,323	100.0
Sur CC	67,901	100.0	-	-	-	-	67,901	100.0
Way CC	59,186	100.0	-	-	-	-	59,186	100.0
WP CC	69,283	100.0	-	-	-	-	69,283	100.0
TOTAL	1,088,679	95.3	30,645	2.7	22,623	2.0	1,141,947	100.0

Table A-5 (Cont'd)

Condition Of Buildings As Reported By Institution (Includes All Space, Owned And Not Owned)
Fall 1968

INSTITUTION	Satisfactory Gross Sq. Ft.	Satisfactory %	Needs Major Rehabilitation Gross Sq. Ft.	Needs Major Rehabilitation %	Should Be Razed Gross Sq. Ft.	Should Be Razed %	Total Gross Sq. Ft.	Total %
Technical Institutes:								
Ans TI	6,647	39.8	5,808	34.8	4,237	25.4	16,692	100.0
A-B TI	91,576	94.9	-	-	4,905	5.1	96,481	100.0
Bea TI	3,085	11.9	-	-	22,920	88.1	26,005	100.0
Bla TI	6,860	33.7	3,885	19.0	9,632	47.3	20,377	100.0
Cal TI	58,585	100.0	-	-	-	-	58,585	100.0
CF TI	50,464	95.5	-	-	2,400	4.5	52,864	100.0
Car TI	1,275	8.5	-	-	13,702	91.5	14,977	100.0
CV TI	69,907	100.0	-	-	-	-	69,907	100.0
CC TI	55,610	91.1	5,429	8.9	-	-	61,039	100.0
Cle TI	18,732	100.0	-	-	-	-	18,732	100.0
Cra TI	-	-	21,116	100.0	-	-	21,116	100.0
Dur TI	46,822	100.0	-	-	-	-	46,822	100.0
Edg TI	17,209	100.0	-	-	-	-	17,209	100.0
Fay TI	71,248	100.0	-	-	-	-	71,248	100.0
For TI	78,626	100.0	-	-	-	-	78,626	100.0
Gui TI	67,988	62.5	-	-	40,799	37.5	108,787	100.0
Hal TI	-	-	22,380	94.1	1,400	5.9	23,780	100.0
Hay TI	20,576	100.0	-	-	-	-	20,576	100.0
JS I	25,104	100.0	-	-	-	-	25,104	100.0
Mar TI	5,075	19.5	9,000	34.5	12,000	46.0	26,075	100.0
McD TI	7,670	55.7	-	-	6,110	44.3	13,780	100.0
Mon TI	9,807	100.0	-	-	-	-	9,807	100.0
Nas TI	30,000	100.0	-	-	-	-	30,000	100.0
Ons TI	29,457	66.1	15,095	33.9	-	-	44,552	100.0
Pam TI	11,110	100.0	-	-	-	-	11,110	100.0
Pit TI	33,441	100.0	-	-	-	-	33,441	100.0
Ran TI	44,363	100.0	-	-	-	-	44,363	100.0
Ric TI	54,684	100.0	-	-	-	-	54,684	100.0
Roa TI	5,966	47.9	-	-	6,492	52.1	12,458	100.0
Rob TI	11,676	34.7	-	-	21,975	65.3	33,651	100.0
Row TI	47,517	100.0	-	-	-	-	47,517	100.0
Sam TI	2,689	9.8	3,240	11.8	21,522	78.4	27,451	100.0
S/W TI	18,900	100.0	-	-	-	-	18,900	100.0
TI of A	60,562	100.0	-	-	-	-	60,562	100.0
Tri TI	19,384	100.0	-	-	-	-	19,384	100.0
WC TI	51,843	100.0	-	-	-	-	51,843	100.0
WWH TI	72,628	100.0	-	-	-	-	72,628	100.0
TOTAL	1,207,086	82.6	85,953	5.9	168,094	11.5	1,461,133	100.0

Projection For Demolition Of Buildings

Table A-6

Fall 1968

INSTITUTION	GROSS SQUARE FEET TO BE DEMOLISHED DURING FISCAL YEARS 1968-1969	1970-1971	1972-1973	1974-1975	1976
Community Colleges:					
CP CC	-	-	-	-	-
C of A	-	-	-	-	-
DC CC	-	-	-	-	-
Gas C	-	-	1,400	-	-
Iso C	-	-	-	-	-
LC CC	-	-	-	-	-
Roc CC	-	-	-	-	-
San CC	-	-	-	-	-
S/E CC	-	-	-	-	-
Sur CC	-	-	-	-	-
Way CC	-	-	-	-	-
WP CC	-	-	-	-	-
TOTAL	-	-	1,400	-	-
Technical Institutes:					
Ans TI	4,237	-	-	-	-
A-B TI	-	4,905	-	-	-
Bea TI	-	-	-	-	-
Bla TI	-	-	-	-	-
Cal TI	-	-	-	-	-
CF TI	-	-	-	-	-
Car TI	-	-	-	-	-
CV TI	-	-	-	-	-
CC TI	-	-	-	-	-
Cle TI	-	-	-	-	-

Projection For Demolition Of Buildings
(continued)

Table A-6

Fall 1968

INSTITUTION	GROSS SQUARE FEET TO BE DEMOLISHED DURING FISCAL YEARS 1968-1969	1970-1971	1972-1973	1974-1975	1976
Cra TI	-	-	-	-	-
Dur TI	-	-	1,800	-	-
Edg TI	-	-	-	-	-
Fay TI	-	-	-	-	-
For TI	-	-	-	-	-
Gui TI	-	-	-	40,799	-
Hal TI	-	-	-	-	-
Hay TI	-	-	-	-	-
JS I	2,604	-	-	-	-
Mar TI	-	-	-	-	-
McD TI	-	-	-	-	-
Mon TI	-	-	-	-	-
Nas TI	-	-	-	-	-
Ons TI	-	-	-	-	-
Pam TI	-	-	-	-	-
Pit TI	-	-	-	-	-
Ran TI	-	-	-	-	-
Ric TI	-	-	-	-	-
Roa TI	-	-	7,902	-	-
Rob TI	-	-	-	-	-
Row TI	-	-	-	-	-
Sam TI	-	-	-	-	-
S/W TI	-	-	-	-	-
TI of A	-	-	-	-	-
Tri TI	1,388	-	-	-	-
WC TI	-	-	-	-	-
WWH TI	-	-	-	-	-
TOTAL	8,229	4,905	9,702	40,799	-

Table A-7

Source Of Funds For Building Construction*
For Buildings Initially Occupied After June 30, 1964
(By Specific Source Category)
Fall 1968

INSTITUTION	Specific Source Category Code**																							
	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total
Community Colleges:																									
CP CC	255	-	729	-	-	-	-	-	-	-	-	837	-	-	-	-	-	-	-	-	-	-	-	-	1,821
C of A	235	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	247
DC CC	500	58	407	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	965
Gas C	878	554	1,066	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,498
Iso CC	529	536	490	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,555
LC CC	424	128	298	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	850
Roc CC	500	761	838	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,099
San CC	294	649	596	-	-	-	-	-	79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,618
S/E CC	387	387	515	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,289
Sur CC	458	439	438	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,335
Way CC	143	110	-	-	-	-	160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	413
WP CC	380	-	520	-	-	-	-	-	-	-	-	469	-	-	-	-	-	-	-	-	-	-	-	-	1,369
TOTAL	4,983	3,634	5,897	-	-	-	160	-	79	-	-	1,306	-	-	-	-	-	-	-	-	-	-	-	-	16,059

*In thousands of dollars
**See Appendix C, p. 150

Table A-7 (Cont'd)

Source Of Funds For Building Construction*
For Buildings Initially Occupied After June 30, 1964
(By Specific Source Category)
Fall 1968

INSTITUTION	Specific Source Category Code**																								
	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total
Technical Institutes:																									
Ans TI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-B TI	144	209	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	568	921
Bea TI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bla TI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cal TI	500	635	-	-	-	-	264	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,399
CF TI	373	372	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	220	965
Car TI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CV TI	263	358	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	621
CC TI	3	69	-	-	-	-	-	190	-	-	-	50	-	-	-	-	-	-	-	-	-	-	-	-	312
Cle TI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cra TI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dur TI	-	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21
Edg TI	-	53	-	-	-	-	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	117
Fay TI	94	7	-	-	-	-	240	-	68	-	-	147	-	-	-	-	-	-	-	-	-	-	-	-	556
For TI	95	-	-	-	-	-	95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	152	342
Gui TI	95	441	-	-	-	-	95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	635
Hal TI	-	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60
Hay TI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JS I	-	265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	266
Mar TI	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13
McD TI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mon TI	88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88
Nas TI	-	-	-	-	-	-	-	-	285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	285
Ons TI	-	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50
Pam TI	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
Pit TI	-	-	-	-	-	-	-	-	450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	450
Ran TI	244	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	249
Ric TI	355	-	-	-	-	-	-	-	-	-	-	310	-	-	-	-	-	35	-	-	-	-	-	-	700
Roa TI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rob TI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Row TI	63	462	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	525
Sam TI	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
S/W TI	-	90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90
TI of A	95	12	-	-	-	-	95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	202
Tri TI	-	60	-	-	-	-	39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	99
WC TI	190	95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	285
WWH TI	58	-	-	-	-	-	58	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	1	123
TOTAL	2,660	3,288	-	-	-	-	950	190	809	-	-	507	-	-	-	-	-	35	6	-	-	-	-	946	9,391

*In thousands of dollars
**See Appendix C, p. 149

Table A-8

Source Of Funds For Building Construction
For Buildings Initially Occupied After June 30, 1964
(By General Source Category)
Fall 1968

INSTITUTION	State and Local Govt. Appropriations (01-02)		Federal Govt. Grants (03-07)		Direct Tax Levy (08-09)		Gen. Obligation Bonds (10-14)		Revenue Bonds (15-16)		Other (17-24)		Total (01-24)	
	Dollars	%	Dollars	%	Dollars	%	Dollars	%	Dollars	%	Dollars	%	Dollars	%
Community Colleges:														
CP CC	255,000	14.0	729,000	40.0	-	-	837,000	46.0	-	-	-	-	1,821,000	100.0
C of A	247,000	100.0	-	-	-	-	-	-	-	-	-	-	247,000	100.0
DC CC	558,000	57.8	407,000	42.2	-	-	-	-	-	-	-	-	965,000	100.0
Gas C	1,432,000	57.3	1,066,000	42.7	-	-	-	-	-	-	-	-	2,498,000	100.0
Iso CC	1,065,000	68.5	490,000	31.5	-	-	-	-	-	-	-	-	1,555,000	100.0
LC CC	552,000	64.9	298,000	35.1	-	-	-	-	-	-	-	-	850,000	100.0
Roc CC	1,261,000	60.1	838,000	39.9	-	-	-	-	-	-	-	-	2,099,000	100.0
San CC	943,000	58.3	596,000	36.8	79,000	4.9	-	-	-	-	-	-	1,618,000	100.0
S/E CC	774,000	60.0	515,000	40.0	-	-	-	-	-	-	-	-	1,289,000	100.0
Sur CC	897,000	67.2	438,000	32.8	-	-	-	-	-	-	-	-	1,335,000	100.0
Way CC	253,000	61.3	160,000	38.7	-	-	-	-	-	-	-	-	413,000	100.0
WP CC	380,000	27.8	520,000	38.0	-	-	469,000	34.2	-	-	-	-	1,369,000	100.0
TOTAL	8,617,000	53.7	6,057,000	37.7	79,000	0.5	1,306,000	8.1	-	-	-	-	16,059,000	100.0

Table A-8 (Cont'd)

Source Of Funds For Building Construction For Buildings Initially Occupied After June 30, 1964 (By General Source Category)

Fall 1968

INSTITUTION	State and Local Govt. Appropriations (01-02)		Federal Govt. Grants (03-07)		Direct Tax Levy (08-09)		Gen. Obligation Bonds (10-14)		Revenue Bonds (15-16)		Other (17-24)		Total (01-24)	
	Dollars	%	Dollars	%	Dollars	%	Dollars	%	Dollars	%	Dollars	%	Dollars	%
Technical Institutes:														
Ans TI	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A-B TI	353,000	38.3	-	-	-	-	-	-	-	-	568,000	61.7	921,000	100.0
Bea TI	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bla TI	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cal TI	1,135,000	81.1	264,000	18.9	-	-	-	-	-	-	-	-	1,399,000	100.0
CF TI	745,000	77.2	-	-	-	-	-	-	-	-	220,000	22.8	965,000	100.0
Car TI	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CV TI	621,000	100.0	-	-	-	-	-	-	-	-	-	-	621,000	100.0
CC TI	72,000	23.1	-	-	190,000	60.9	50,000	16.0	-	-	-	-	312,000	100.0
Cle TI	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cra TI	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dur TI	21,000	100.0	-	-	-	-	-	-	-	-	-	-	21,000	100.0
Edg TI	53,000	45.3	64,000	54.7	-	-	-	-	-	-	-	-	117,000	100.0
Fay TI	101,000	18.2	240,000	43.2	68,000	12.2	147,000	26.4	-	-	-	-	556,000	100.0
For TI	95,000	27.8	95,000	27.8	-	-	-	-	-	-	152,000	44.4	342,000	100.0
Gui TI	536,000	84.4	95,000	15.0	-	-	-	-	-	-	4,000	0.6	635,000	100.0
Hal TI	60,000	100.0	-	-	-	-	-	-	-	-	-	-	60,000	100.0
Hay TI	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JS I	265,000	99.6	-	-	-	-	-	-	-	-	1,000	0.4	266,000	100.0
Mar TI	13,000	100.0	-	-	-	-	-	-	-	-	-	-	13,000	100.0
McD TI	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mon TI	88,000	100.0	-	-	-	-	-	-	-	-	-	-	88,000	100.0
Nas TI	-	-	-	-	285,000	100.0	-	-	-	-	-	-	285,000	100.0
Ons TI	50,000	100.0	-	-	-	-	-	-	-	-	-	-	50,000	100.0
Pam TI	-	-	-	-	6,000	100.0	-	-	-	-	-	-	6,000	100.0
Pit TI	-	-	-	-	450,000	100.0	-	-	-	-	-	-	450,000	100.0
Ran TI	249,000	100.0	-	-	-	-	-	-	-	-	-	-	249,000	100.0
Ric TI	355,000	50.7	-	-	-	-	310,000	44.3	-	-	35,000	5.0	700,000	100.0
Roa TI	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rob TI	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Row TI	525,000	100.0	-	-	-	-	-	-	-	-	-	-	525,000	100.0
Sam TI	11,000	100.0	-	-	-	-	-	-	-	-	-	-	11,000	100.0
S/W TI	90,000	100.0	-	-	-	-	-	-	-	-	-	-	90,000	100.0
TI of A	107,000	53.0	95,000	47.0	-	-	-	-	-	-	-	-	202,000	100.0
Tri TI	60,000	60.6	39,000	39.4	-	-	-	-	-	-	-	-	99,000	100.0
WC TI	285,000	100.0	-	-	-	-	-	-	-	-	-	-	285,000	100.0
WWH TI	58,000	47.2	58,000	47.2	-	-	-	-	-	-	7,000	5.6	123,000	100.0
TOTAL	5,948,000	63.4	950,000	10.1	999,000	10.6	507,000	5.4	-	-	987,000	10.5	9,391,000	100.0

Table A-9

Gross Square Footage Of Buildings Classified By Percent Of Air Conditioning
Fall 1968

INSTITUTION	Bldgs. With 0% Air Cond.		Bldgs. With 1-9% Air Cond.		Bldgs. With 10-24% Air Cond.		Bldgs. With 25-49% Air Cond.		Bldgs. With 50-74% Air Cond.		Bldgs. With 75-100% Air Cond.		Total	
	Gross Sq. Ft.	%	Gross Sq. Ft.	%	Gross Sq. Ft.	%	Gross Sq. Ft.	%	Gross Sq. Ft.	%	Gross Sq. Ft.	%	Gross Sq. Ft.	%
Community Colleges:														
CP CC	4,219	2.0	-	-	-	-	8,413	4.0	-	-	195,866	94.0	208,498	100.0
C of A	28,521	37.8	24,841	32.9	-	-	15,196	20.2	6,892	9.1	-	-	75,450	100.0
DC CC	-	-	-	-	-	-	31,982	38.1	-	-	51,854	61.9	83,836	100.0
Gas C	3,542	2.4	1,400	1.0	-	-	-	-	-	-	141,772	96.6	146,714	100.0
Iso CC	5,844	9.8	5,844	9.8	-	-	-	-	-	-	48,164	80.4	59,852	100.0
LC CC	-	-	-	-	-	-	-	-	-	-	72,898	100.0	72,898	100.0
Roc CC	-	-	-	-	-	-	-	-	27,109	23.7	87,077	76.3	114,186	100.0
San CC	10,480	9.8	-	-	-	-	-	-	-	-	96,340	90.2	106,820	100.0
S/E CC	43,883	56.8	-	-	-	-	-	-	-	-	33,440	43.2	77,323	100.0
Sur CC	10,557	15.5	-	-	-	-	-	-	-	-	57,344	84.5	67,901	100.0
Way CC	12,594	21.3	-	-	-	-	4,740	8.0	29,180	49.3	12,672	21.4	59,186	100.0
WP CC	1,485	2.1	-	-	-	-	-	-	-	-	67,798	97.9	69,283	100.0
TOTAL	121,125	10.6	32,085	2.8	-	-	60,331	5.3	63,181	5.5	865,225	75.8	1,141,947	100.0

Table A-9 (Cont'd)

Gross Square Footage Of Buildings Classified By Percent Of Air Conditioning
Fall 1968

INSTITUTION	Bldgs. With 0% Air Cond.		Bldgs. With 1-9% Air Cond.		Bldgs. With 10-24% Air Cond.		Bldgs. With 25-49% Air Cond.		Bldgs. With 50-74% Air Cond.		Bldgs. With 75-100% Air Cond.		Total	
	Gross Sq. Ft.	%	Gross Sq. Ft.	%	Gross Sq. Ft.	%	Gross Sq. Ft.	%	Gross Sq. Ft.	%	Gross Sq. Ft.	%	Gross Sq. Ft.	%
Technical Institutes:														
Ans TI	4,237	25.4	-	-	6,647	39.8	-	-	-	-	5,808	34.8	16,692	100.0
A-B TI	67,386	69.8	29,095	30.2	-	-	-	-	-	-	-	-	96,481	100.0
Bea TI	3,325	12.8	-	-	-	-	18,099	69.6	-	-	4,581	17.6	26,005	100.0
Bla TI	-	-	-	-	6,060	29.7	3,885	19.1	9,632	47.3	800	3.9	20,377	100.0
Cal TI	-	-	-	-	-	-	-	-	-	-	58,585	100.0	58,585	100.0
CF TI	8,073	15.3	-	-	-	-	-	-	-	-	44,791	84.7	52,864	100.0
Car TI	-	-	-	-	-	-	10,494	70.1	-	-	4,483	29.9	14,977	100.0
CV TI	9,876	14.1	35,308	50.5	-	-	-	-	-	-	24,723	35.4	69,907	100.0
CC TI	8,980	14.7	-	-	-	-	-	-	5,429	8.9	46,630	76.4	61,039	100.0
Cle TI	8,148	43.5	-	-	-	-	9,408	50.2	-	-	1,176	6.3	18,732	100.0
Cra TI	-	-	-	-	6,786	32.1	12,474	59.1	-	-	1,856	8.8	21,116	100.0
Dur TI	-	-	45,022	96.2	-	-	-	-	-	-	1,800	3.8	46,822	100.0
Edg TI	-	-	-	-	-	-	-	-	-	-	17,209	100.0	17,209	100.0
Fay TI	5,014	7.0	-	-	-	-	-	-	51,940	72.9	14,294	20.1	71,248	100.0
For TI	21,620	27.5	19,390	24.7	-	-	-	-	16,128	20.5	21,488	27.3	78,626	100.0
Gui TI	16,490	15.1	40,541	37.3	30,298	27.9	-	-	-	-	21,458	19.7	108,787	100.0
Hal TI	-	-	-	-	-	-	1,400	5.9	22,380	94.1	-	-	23,780	100.0
Hay TI	15,392	74.8	5,184	25.2	-	-	-	-	-	-	-	-	20,576	100.0
JS I	2,604	10.4	-	-	-	-	-	-	-	-	22,500	89.6	25,104	100.0
Mar TI	14,075	54.0	-	-	12,000	46.0	-	-	-	-	-	-	26,075	100.0
McD TI	6,110	44.3	-	-	-	-	-	-	7,670	55.7	-	-	13,780	100.0
Mon TI	-	-	-	-	-	-	-	-	9,807	100.0	-	-	9,807	100.0
Nas TI	30,000	100.0	-	-	-	-	-	-	-	-	-	-	30,000	100.0
Ons TI	44,552	100.0	-	-	-	-	-	-	-	-	-	-	44,552	100.0
Pam TI	3,284	29.6	-	-	-	-	5,266	47.4	1,034	9.3	1,526	13.7	11,110	100.0
Pit TI	-	-	-	-	-	-	-	-	33,441	100.0	-	-	33,441	100.0
Ran TI	1,728	3.9	-	-	-	-	-	-	33,000	74.4	9,635	21.7	44,363	100.0
Ric TI	3,206	5.9	7,590	13.9	-	-	-	-	-	-	43,888	80.2	54,684	100.0
Roa TI	8,270	66.4	-	-	-	-	-	-	-	-	4,188	33.6	12,458	100.0
Rob TI	6,650	19.8	3,000	8.9	10,165	30.2	-	-	11,810	35.1	2,026	6.0	33,651	100.0
Row TI	4,234	8.9	-	-	-	-	-	-	-	-	43,283	91.1	47,517	100.0
Sam TI	8,744	31.8	-	-	6,690	24.4	-	-	10,392	37.9	1,625	5.9	27,451	100.0
S/W TI	18,900	100.0	-	-	-	-	-	-	-	-	-	-	18,900	100.0
TI of A	-	-	-	-	-	-	47,195	77.9	-	-	13,367	22.1	60,562	100.0
Tri TI	16,521	85.2	-	-	-	-	-	-	-	-	2,863	14.8	19,384	100.0
WC TI	11,104	21.4	-	-	-	-	-	-	-	-	40,739	78.6	51,843	100.0
WWH TI	812	1.1	-	-	-	-	-	-	18,017	24.8	53,799	74.1	72,628	100.0
TOTAL	349,335	23.9	185,130	12.7	78,646	5.4	108,221	7.4	230,680	15.8	509,121	34.8	1,461,133	100.0

Table A-10

Gross Square Footage Of Buildings As Classified In National Shelter Survey
Fall 1968

INSTITUTION	Not Included In National Shelter Survey		Included In National Shelter Survey, But Not Licensed As Fallout Shelter		Licensed As Fallout Shelter, But Not Stocked With Supplies		Licensed As Fallout Shelter And Stocked With Supplies		Total	
	Gross Sq. Ft.	%	Gross Sq. Ft.	%	Gross Sq. Ft.	%	Gross Sq. Ft.	%	Gross Sq. Ft.	%
Community Colleges:										
CP CC	78,286	37.5	27,657	13.3	-	-	102,555	49.2	208,498	100.0
C of A	-	-	28,521	37.8	6,892	9.1	40,037	53.1	75,450	100.0
DC CC	83,836	100.0	-	-	-	-	-	-	83,836	100.0
Gas C	-	-	146,714	100.0	-	-	-	-	146,714	100.0
Iso CC	59,852	100.0	-	-	-	-	-	-	59,852	100.0
LC CC	50,802	69.7	22,096	30.3	-	-	-	-	72,898	100.0
Roc CC	114,186	100.0	-	-	-	-	-	-	114,186	100.0
San CC	5,345	5.0	10,480	9.8	90,995	85.2	-	-	106,820	100.0
S/E CC	14,062	18.2	42,976	55.6	-	-	20,285	26.2	77,323	100.0
Sur CC	-	-	67,901	100.0	-	-	-	-	67,901	100.0
Way CC	-	-	59,186	100.0	-	-	-	-	59,186	100.0
WP CC	69,283	100.0	-	-	-	-	-	-	69,283	100.0
TOTAL	475,652	41.6	405,531	35.5	97,887	8.6	162,877	14.3	1,141,947	100.0

Table A-10 (Cont'd)

Gross Square Footage Of Buildings As Classified In National Shelter Survey
Fall 1968

INSTITUTION	Not Included In National Shelter Survey		Included In National Shelter Survey, But Not Licensed As Fallout Shelter		Licensed As Fallout Shelter, But Not Stocked With Supplies		Licensed As Fallout Shelter And Stocked With Supplies		Total	
	Gross Sq. Ft.	%	Gross Sq. Ft.	%	Gross Sq. Ft.	%	Gross Sq. Ft.	%	Gross Sq. Ft.	%
Technical Institutes:										
Ans TI	16,692	100.0	-	-	-	-	-	-	16,692	100.0
A-B TI	96,481	100.0	-	-	-	-	-	-	96,481	100.0
Bea TI	-	-	26,005	100.0	-	-	-	-	26,005	100.0
Bla TI	800	3.9	19,577	96.1	-	-	-	-	20,377	100.0
Cal TI	58,585	100.0	-	-	-	-	-	-	58,585	100.0
CF TI	52,213	98.8	-	-	651	1.2	-	-	52,864	100.0
Car TI	-	-	14,977	100.0	-	-	-	-	14,977	100.0
CV TI	-	-	69,907	100.0	-	-	-	-	69,907	100.0
CC TI	11,338	18.6	49,701	81.4	-	-	-	-	61,039	100.0
Cle TI	-	-	18,732	100.0	-	-	-	-	18,732	100.0
Cra TI	10,356	49.0	1,856	8.8	8,904	42.2	-	-	21,116	100.0
Dur TI	1,800	3.8	45,022	96.2	-	-	-	-	46,822	100.0
Edg TI	-	-	17,209	100.0	-	-	-	-	17,209	100.0
Fay TI	-	-	71,248	100.0	-	-	-	-	71,248	100.0
For TI	-	-	78,626	100.0	-	-	-	-	78,626	100.0
Gui TI	21,458	19.7	87,329	80.3	-	-	-	-	108,787	100.0
Hal TI	-	-	23,780	100.0	-	-	-	-	23,780	100.0
Hay TI	-	-	20,576	100.0	-	-	-	-	20,576	100.0
JS I	25,104	100.0	-	-	-	-	-	-	25,104	100.0
Mar TI	5,075	19.5	21,000	80.5	-	-	-	-	26,075	100.0
McD TI	6,110	44.3	7,670	55.7	-	-	-	-	13,780	100.0
Mon TI	9,807	100.0	-	-	-	-	-	-	9,807	100.0
Nas TI	30,000	100.0	-	-	-	-	-	-	30,000	100.0
Ons TI	44,552	100.0	-	-	-	-	-	-	44,552	100.0
Pam TI	11,110	100.0	-	-	-	-	-	-	11,110	100.0
Pit TI	-	-	33,441	100.0	-	-	-	-	33,441	100.0
Ran TI	-	-	44,363	100.0	-	-	-	-	44,363	100.0
Ric TI	-	-	54,684	100.0	-	-	-	-	54,684	100.0
Roa TI	-	-	12,458	100.0	-	-	-	-	12,458	100.0
Rob TI	3,000	8.9	30,651	91.1	-	-	-	-	33,651	100.0
Row TI	-	-	47,517	100.0	-	-	-	-	47,517	100.0
Sam TI	-	-	27,451	100.0	-	-	-	-	27,451	100.0
S/W TI	-	-	18,900	100.0	-	-	-	-	18,900	100.0
TI of A	-	-	60,562	100.0	-	-	-	-	60,562	100.0
Tri TI	6,625	34.2	12,759	65.8	-	-	-	-	19,384	100.0
WC TI	51,843	100.0	-	-	-	-	-	-	51,843	100.0
WWH TI	19,555	26.9	53,073	73.1	-	-	-	-	72,628	100.0
TOTAL	482,504	33.0	969,074	66.3	9,555	0.7	-	-	1,461,133	100.0

Net-to-Gross Ratio

Table A-11

Fall 1968

INSTITUTION	Gross Sq. Ft.	Net Assignable Sq. Ft.	Net:Gross %
Community Colleges:			
CP CC	208,498	115,937	55.6
C of A	75,450	53,014	70.3
DC CC	83,836	57,098	68.1
Gas C	146,714	97,464	66.4
Iso C	59,852	39,090	65.3
LC CC	72,898	53,986	74.1
Roc CC	114,186	85,068	74.5
San CC	106,820	70,834	66.3
S/E CC	77,323	54,170	70.1
Sur CC	67,901	44,458	65.5
Way CC	59,186	47,502	80.3
WP CC	69,283	44,033	63.6
TOTAL	1,141,947	762,654	66.8
Technical Institutes:			
Ans TI	16,692	11,842	70.9
A-B TI	96,481	70,954	73.5
Bea TI	26,005	15,956	61.4
Bla TI	20,377	18,622	91.4
Cal TI	58,585	44,006	75.1
CF TI	52,864	33,224	62.8
Car TI	14,977	14,026	93.7
CV TI	69,907	50,907	72.8
CC TI	61,039	46,252	75.8
Cle TI	18,732	14,695	78.4

Net-to-Gross Ratio
(continued)

Table A-11 **Fall 1968**

INSTITUTION	Gross Sq. Ft.	Net Assignable Sq. Ft.	Net:Gross %
Cra TI	21,116	12,658	59.9
Dur TI	46,822	36,369	77.7
Edg TI	17,209	11,242	65.3
Fay TI	71,248	54,743	76.8
For TI	78,626	66,752	84.9
Gui TI	108,787	76,628	70.4
Hal TI	23,780	17,104	71.9
Hay TI	20,576	16,599	80.7
JS I	25,104	19,159	76.3
Mar TI	26,075	20,976	80.4
McD TI	13,780	12,340	89.6
Mon TI	9,807	6,777	69.1
Nas TI	30,000	16,396	54.7
Ons TI	44,552	36,516	82.0
Pam TI	11,110	9,992	89.9
Pit TI	33,441	22,166	66.3
Ran TI	44,363	36,382	82.0
Ric TI	54,684	38,692	70.8
Roa TI	12,458	10,710	86.0
Rob TI	33,651	25,204	74.9
Row TI	47,517	33,551	70.6
Sam TI	27,451	23,044	83.9
S/W TI	18,900	12,236	64.7
TI of A	60,562	41,456	68.5
Tri TI	19,384	15,796	81.5
WC TI	51,843	41,092	79.3
WWH TI	72,628	54,948	75.7
TOTAL	1,461,133	1,090,012	74.6

Table A-12

Net Assignable Square Feet Classified By Organizational Units
Fall 1968

INSTITUTION	Instruction And Research		Organized Activities		Organized Research		Public Service		Library		Gen. Adm. & Inst. Services		Auxiliary Services		Non-Institutional		Unassigned		Total Net Assignable Area	
	NASF	%	NASF	%	NASF	%	NASF	%	NASF	%	NASF	%	NASF	%	NASF	%	NASF	%	NASF	%
Technical Institutes:																				
Ans TI	10,539	89.0	-	-	-	-	-	-	-	-	1,142	9.6	161	1.4	-	-	-	-	11,842	100.0
A-B TI	53,768	75.8	-	-	-	-	-	-	2,469	3.5	9,623	13.6	1,020	1.4	-	-	4,074	5.7	70,954	100.0
Bea TI	13,305	83.4	-	-	-	-	-	-	701	4.4	1,856	11.6	94	0.6	-	-	-	-	15,956	100.0
Bla TI	16,392	88.0	-	-	-	-	-	-	-	-	1,180	6.4	1,050	5.6	-	-	-	-	18,622	100.0
Cal TI	33,111	75.3	-	-	-	-	-	-	4,180	9.5	4,114	9.3	2,601	5.9	-	-	-	-	44,006	100.0
CF TI	25,753	77.5	-	-	-	-	-	-	1,551	4.7	3,382	10.2	1,824	5.5	-	-	714	2.1	33,224	100.0
Car TI	10,387	74.0	-	-	-	-	-	-	1,270	9.1	1,793	12.8	-	-	-	-	576	4.1	14,026	100.0
CV TI	43,270	85.0	-	-	-	-	-	-	1,740	3.4	782	1.5	5,115	10.1	-	-	-	-	50,907	100.0
CC TI	37,510	81.1	-	-	-	-	-	-	1,996	4.3	5,445	11.8	1,301	2.8	-	-	-	-	46,252	100.0
Cle TI	12,869	87.6	-	-	-	-	-	-	750	5.1	855	5.8	221	1.5	-	-	-	-	14,695	100.0
Cra TI	8,714	68.9	-	-	-	-	-	-	495	3.9	2,963	23.4	486	3.8	-	-	-	-	12,658	100.0
Dur TI	30,873	84.9	-	-	-	-	-	-	1,135	3.1	3,541	9.7	820	2.3	-	-	-	-	36,369	100.0
Edg TI	8,201	73.0	-	-	-	-	-	-	1,287	11.4	1,004	8.9	750	6.7	-	-	-	-	11,242	100.0
Fay TI	44,976	82.2	-	-	-	-	-	-	1,967	3.6	4,765	8.7	3,035	5.5	-	-	-	-	54,743	100.0
For TI	60,652	90.9	-	-	-	-	-	-	1,205	1.8	4,135	6.2	760	1.1	-	-	-	-	66,752	100.0
Gui TI	62,449	81.5	-	-	-	-	-	-	5,467	7.1	4,281	5.6	4,431	5.8	-	-	-	-	76,628	100.0
Hal TI	4,290	25.1	-	-	-	-	-	-	2,250	13.2	9,844	57.5	720	4.2	-	-	-	-	17,104	100.0
Hay TI	13,928	83.9	-	-	-	-	-	-	1,440	8.7	1,231	7.4	-	-	-	-	-	-	16,599	100.0
JS I	14,936	77.9	-	-	-	-	-	-	855	4.5	1,688	8.8	1,680	8.8	-	-	-	-	19,159	100.0
Mar TI	18,100	86.3	-	-	-	-	-	-	704	3.4	672	3.2	1,500	7.1	-	-	-	-	20,976	100.0
McD TI	10,590	85.8	-	-	-	-	-	-	465	3.8	1,045	8.5	240	1.9	-	-	-	-	12,340	100.0
Mon TI	3,984	58.8	-	-	-	-	917	13.5	-	-	1,692	25.0	184	2.7	-	-	-	-	6,777	100.0
Nas TI	11,916	72.7	-	-	-	-	-	-	1,896	11.6	2,584	15.7	-	-	-	-	-	-	16,396	100.0
Ons TI	29,796	81.6	-	-	-	-	-	-	1,519	4.2	3,460	9.5	1,579	4.3	-	-	162	0.4	36,516	100.0
Pam TI	5,358	53.6	-	-	-	-	-	-	1,548	15.5	2,861	28.6	225	2.3	-	-	-	-	9,992	100.0
Pit TI	17,179	77.5	-	-	-	-	-	-	892	4.0	3,429	15.5	666	3.0	-	-	-	-	22,166	100.0
Ran TI	28,129	77.3	-	-	-	-	-	-	1,735	4.8	3,463	9.5	3,055	8.4	-	-	-	-	36,382	100.0
Ric TI	29,572	76.4	-	-	-	-	-	-	2,239	5.8	4,450	11.5	2,302	6.0	129	0.3	-	-	38,692	100.0
Roa TI	7,780	72.6	-	-	-	-	195	1.8	1,037	9.7	1,698	15.9	-	-	-	-	-	-	10,710	100.0
Rob TI	17,943	71.2	-	-	-	-	-	-	672	2.7	2,557	10.1	4,032	16.0	-	-	-	-	25,204	100.0
Row TI	28,879	86.1	-	-	-	-	-	-	964	2.9	2,232	6.6	1,476	4.4	-	-	-	-	33,551	100.0
Sam TI	18,475	80.2	-	-	-	-	-	-	740	3.2	1,820	7.9	2,009	8.7	-	-	-	-	23,044	100.0
S/W TI	9,953	81.3	-	-	-	-	-	-	758	6.2	1,525	12.5	-	-	-	-	-	-	12,236	100.0
TI of A	31,515	76.0	-	-	-	-	-	-	2,897	7.0	3,252	7.9	2,532	6.1	-	-	1,260	3.0	41,456	100.0
Tri TI	11,934	75.5	-	-	-	-	-	-	624	4.0	1,328	8.4	360	2.3	-	-	1,550	9.8	15,796	100.0
WC TI	32,046	78.0	-	-	-	-	-	-	1,730	4.2	5,465	13.3	1,851	4.5	-	-	-	-	41,092	100.0
WWH TI	44,799	81.5	-	-	-	-	-	-	1,193	2.2	5,422	9.9	3,041	5.5	-	-	493	0.9	54,948	100.0
TOTAL	863,871	79.3	-	-	-	-	1,112	0.1	52,371	4.8	112,579	10.3	51,121	4.7	129	0.1-	8,829	0.8	1,090,012	100.0

Table A-12 (Cont'd)

Net Assignable Square Feet Classified By Organizational Units
Fall 1968

INSTITUTION	Instruction And Research		Organized Activities		Organized Research		Public Service		Library		Gen. Adm. & Inst. Services		Auxiliary Services		Non-Institutional		Unassigned		Total Net Assignable Area	
	NASF	%	NASF	%	NASF	%	NASF	%	NASF	%	NASF	%	NASF	%	NASF	%	NASF	%	NASF	%
Community Colleges:																				
CP CC	90,308	77.9	-	-	-	-	-	-	6,943	6.0	13,543	11.7	5,143	4.4	-	-	-	-	115,937	100.0
C of A	41,400	78.1	-	-	-	-	-	-	3,409	6.4	3,094	5.9	5,111	9.6	-	-	-	-	53,014	100.0
DC CC	39,659	69.5	-	-	-	-	-	-	5,138	9.0	4,417	7.7	7,698	13.5	-	-	186	0.3	57,098	100.0
Gas C	76,889	78.9	-	-	-	-	-	-	7,921	8.1	11,460	11.8	710	0.7	-	-	484	0.5	97,464	100.0
Iso CC	29,636	75.8	-	-	-	-	-	-	6,389	16.4	3,065	7.8	-	-	-	-	-	-	39,090	100.0
LC CC	40,725	75.4	-	-	-	-	-	-	5,085	9.4	6,954	12.9	1,222	2.3	-	-	-	-	53,986	100.0
Roc CC	50,981	59.9	-	-	-	-	208	0.2	14,703	17.3	12,285	14.5	6,891	8.1	-	-	-	-	85,068	100.0
San CC	44,573	62.9	-	-	-	-	-	-	6,661	9.4	7,619	10.8	11,981	16.9	-	-	-	-	70,834	100.0
S/E CC	35,081	64.7	-	-	-	-	-	-	5,477	10.1	4,919	9.1	8,597	15.9	96	0.2	-	-	54,170	100.0
Sur CC	31,751	71.4	-	-	-	-	-	-	4,609	10.4	3,396	7.6	4,702	10.6	-	-	-	-	44,458	100.0
Way CC	38,277	80.6	-	-	-	-	-	-	3,563	7.5	4,194	8.8	1,468	3.1	-	-	-	-	47,502	100.0
WP CC	30,216	68.6	-	-	-	-	-	-	6,414	14.6	4,299	9.8	3,104	7.0	-	-	-	-	44,033	100.0
TOTAL	549,496	72.1	-	-	-	-	208	0.1-	76,312	10.0	79,245	10.4	56,627	7.4	96	0.1-	670	0.1	762,654	100.0

Table A-13

Net Assignable Area By Room Type (Including Residential And Non-Residential)
Fall 1968

INSTITUTION	Classroom Facilities (100)	%	Laboratory Facilities (200)	%	Office Facilities (300)	%	Study Facilities (400)	%	Special Use Facilities (500)	%	General Use Facilities (600)	%	Supporting Facilities (700)	%	Medical Care Facilities (800)	%	Residential Facilities (900)	%	Total (100-900)	%
Technical Institutes:																				
Ans TI	1,982	16.7	8,557	72.2	1,037	8.8	-	-	-	-	161	1.4	105	0.9	-	-	-	-	11,842	100.0
A-B TI	8,502	12.0	46,570	65.6	5,665	8.0	2,747	3.9	-	-	1,020	1.4	6,450	9.1	-	-	-	-	70,954	100.0
Bea TI	3,513	22.0	9,092	57.0	1,736	10.9	1,401	8.8	-	-	94	0.6	120	0.7	-	-	-	-	15,956	100.0
Bla TI	3,379	18.2	12,265	65.9	1,180	6.3	748	4.0	-	-	1,050	5.6	-	-	-	-	-	-	18,622	100.0
Cal TI	8,136	18.5	20,033	45.5	6,379	14.5	4,084	9.3	162	0.4	4,995	11.3	217	0.5	-	-	-	-	44,006	100.0
CF TI	5,436	16.4	18,498	55.7	4,681	14.1	2,209	6.6	1,400	4.2	424	1.3	576	1.7	-	-	-	-	33,224	100.0
Car TI	2,602	18.6	8,361	59.6	1,504	10.7	1,270	9.0	-	-	289	2.1	-	-	-	-	-	-	14,026	100.0
CV TI	14,596	28.7	26,399	51.8	3,116	6.1	1,931	3.8	-	-	4,415	8.7	450	0.9	-	-	-	-	50,907	100.0
CC TI	8,663	18.7	25,901	56.0	5,817	12.6	2,716	5.9	-	-	1,301	2.8	1,854	4.0	-	-	-	-	46,252	100.0
Cle TI	2,965	20.2	8,821	60.0	1,378	9.4	1,310	8.9	-	-	221	1.5	-	-	-	-	-	-	14,695	100.0
Cra TI	1,775	14.0	5,658	44.7	2,181	17.3	1,037	8.2	-	-	486	3.8	1,521	12.0	-	-	-	-	12,658	100.0
Dur TI	7,473	20.5	22,355	61.5	4,005	11.0	1,135	3.1	-	-	820	2.3	581	1.6	-	-	-	-	36,369	100.0
Edg TI	734	6.5	7,185	63.9	1,004	8.9	1,287	11.5	-	-	750	6.7	282	2.5	-	-	-	-	11,242	100.0
Fay TI	10,428	19.0	30,022	54.9	8,268	15.1	2,821	5.2	-	-	3,035	5.5	169	0.3	-	-	-	-	54,743	100.0
For TI	6,523	9.8	51,124	76.6	6,288	9.4	1,100	1.7	-	-	760	1.1	957	1.4	-	-	-	-	66,752	100.0
Gui TI	10,732	14.0	44,555	58.2	10,837	14.1	6,073	7.9	-	-	4,431	5.8	-	-	-	-	-	-	76,628	100.0
Hal TI	2,400	14.0	1,890	11.0	1,654	9.7	2,250	13.2	-	-	720	4.2	8,190	47.9	-	-	-	-	17,104	100.0
Hay TI	4,750	28.6	8,350	50.3	1,729	10.4	1,440	8.7	-	-	330	2.0	-	-	-	-	-	-	16,599	100.0
JS I	3,750	19.6	9,967	52.0	2,512	13.1	1,250	6.5	-	-	1,680	8.8	-	-	-	-	-	-	19,159	100.0
Mar TI	3,660	17.4	13,840	66.0	672	3.2	1,304	6.2	-	-	1,500	7.2	-	-	-	-	-	-	20,976	100.0
McD TI	710	5.8	9,760	79.1	1,165	9.4	465	3.8	-	-	240	1.9	-	-	-	-	-	-	12,340	100.0
Mon TI	1,408	20.8	2,576	38.0	1,743	25.7	704	10.4	-	-	184	2.7	162	2.4	-	-	-	-	6,777	100.0
Nas TI	3,870	23.6	8,046	49.1	2,584	15.7	1,896	11.6	-	-	-	-	-	-	-	-	-	-	16,396	100.0
Ons TI	11,645	31.9	15,525	42.5	4,824	13.2	2,191	6.0	752	2.1	1,579	4.3	-	-	-	-	-	-	36,516	100.0
Pam TI	704	7.0	4,283	42.9	1,304	13.1	1,728	17.3	-	-	225	2.2	1,748	17.5	-	-	-	-	9,992	100.0
Pit TI	2,843	12.8	13,350	60.2	3,088	14.0	1,755	7.9	-	-	666	3.0	464	2.1	-	-	-	-	22,166	100.0
Ran TI	4,051	11.1	22,353	61.4	3,223	8.9	2,340	6.4	244	0.7	3,055	8.4	1,116	3.1	-	-	-	-	36,382	100.0
Ric TI	9,373	24.2	17,941	46.4	5,256	13.6	3,242	8.4	-	-	2,302	5.9	578	1.5	-	-	-	-	38,692	100.0
Roa TI	2,214	20.7	4,719	44.1	1,689	15.8	1,944	18.1	-	-	144	1.3	-	-	-	-	-	-	10,710	100.0
Rob TI	4,464	17.7	11,718	46.5	3,394	13.5	1,596	6.3	-	-	4,032	16.0	-	-	-	-	-	-	25,204	100.0
Row TI	6,216	18.5	20,056	59.8	3,815	11.4	1,988	5.9	-	-	1,476	4.4	-	-	-	-	-	-	33,551	100.0
Sam TI	3,915	17.0	13,455	58.4	2,259	9.8	1,490	6.5	-	-	1,925	8.3	-	-	-	-	-	-	23,044	100.0
S/W TI	1,188	9.7	8,191	66.9	2,099	17.2	758	6.2	-	-	-	-	-	-	-	-	-	-	12,236	100.0
TI of A	9,237	22.3	22,009	53.1	3,450	8.3	3,025	7.3	376	0.9	2,532	6.1	827	2.0	-	-	-	-	41,456	100.0
Tri TI	3,433	21.7	8,552	54.1	1,402	8.9	1,074	6.8	-	-	360	2.3	975	6.2	-	-	-	-	15,796	100.0
WC TI	5,594	13.6	23,456	57.1	4,445	10.8	2,714	6.6	132	0.3	1,851	4.5	2,900	7.1	-	-	-	-	41,092	100.0
WWH TI	10,906	19.9	30,544	55.6	8,150	14.8	1,113	2.0	80	0.2	3,041	5.5	1,114	2.0	-	-	-	-	54,948	100.0
TOTAL	193,770	17.8	615,977	56.5	125,533	11.5	68,136	6.2	3,146	0.3	52,094	4.8	31,356	2.9	-	-	-	-	1,090,012	100.0

Table A-13 (Cont'd)

Net Assignable Area By Room Type (Including Residential And Non-Residential)

Fall 1968

INSTITUTION	Classroom Facilities (100)	%	Laboratory Facilities (200)	%	Office Facilities (300)	%	Study Facilities (400)	%	Special Use Facilities (500)	%	General Use Facilities (600)	%	Supporting Facilities (700)	%	Medical Care Facilities (800)	%	Residential Facilities (900)	%	Total (100-900)	%
Community Colleges:																				
CP CC	31,286	26.9	45,214	39.0	22,396	19.3	9,234	8.2	-	-	5,143	4.4	1,230	1.0	1,434	1.2	-	-	115,937	100.0
C of A	8,974	16.9	14,656	27.7	7,642	14.4	3,486	6.6	12,960	24.4	3,700	7.0	60	0.1	-	-	1,536	2.9	53,014	100.0
DC CC	12,017	21.1	24,278	42.5	7,141	12.5	5,932	10.4	-	-	7,730	13.5	-	-	-	-	-	-	57,098	100.0
Gas C	17,831	18.3	47,561	48.8	17,044	17.5	8,607	8.8	1,065	1.1	4,268	4.4	1,088	1.1	-	-	-	-	97,464	100.0
Iso CC	9,038	23.1	15,528	39.7	5,367	13.7	7,080	18.1	1,629	4.2	448	1.2	-	-	-	-	-	-	39,090	100.0
LC CC	17,249	32.0	20,304	37.6	9,080	16.8	5,752	10.6	-	-	1,222	2.3	379	0.7	-	-	-	-	53,986	100.0
Roc CC	14,687	17.3	28,582	33.6	13,062	15.4	15,734	18.5	4,174	4.9	6,822	8.0	2,007	2.3	-	-	-	-	85,068	100.0
San CC	11,999	16.9	23,292	32.9	9,879	13.9	7,828	11.1	3,543	5.0	6,470	9.1	2,814	4.0	-	-	5,009	7.1	70,834	100.0
S/E CC	13,901	25.7	14,384	26.5	7,728	14.3	5,913	10.9	1,903	3.5	9,749	18.0	592	1.1	-	-	-	-	54,170	100.0
Sur CC	11,868	26.7	15,818	35.6	5,947	13.4	4,164	9.4	2,021	4.5	4,524	10.2	116	0.2	-	-	-	-	44,458	100.0
Way CC	9,030	19.0	24,175	50.9	7,841	16.5	4,305	9.1	143	0.3	2,008	4.2	-	-	-	-	-	-	47,502	100.0
WP CC	9,710	22.1	13,868	31.5	8,005	18.2	6,822	15.5	1,115	2.5	3,104	7.0	1,409	3.2	-	-	-	-	44,033	100.0
TOTAL	167,590	22.0	287,660	37.7	121,132	15.9	84,857	11.1	28,553	3.7	55,188	7.2	9,695	1.3	1,434	0.2	6,545	0.9	762,654	100.0

Table A-14

Net Assignable Area By Room Type
(Non-Residential)
Fall 1968

INSTITUTION	Classroom Facilities (100)	%	Laboratory Facilities (200)	%	Office Facilities (300)	%	Study Facilities (400)	%	Special Use Facilities (500)	%	General Use Facilities (600)	%	Supporting Facilities (700)	%	Medical Care Facilities (800)	%	Total (100-800)	%
Community Colleges:																		
CP CC	31,286	27.0	45,214	39.0	22,396	19.3	9,234	8.0	-	-	5,143	4.4	1,230	1.1	1,434	1.2	115,937	100.0
C of A	8,974	17.4	14,656	28.5	7,642	14.8	3,486	6.8	12,960	25.2	3,700	7.2	60	0.1	-	-	51,478	100.0
DC CC	12,017	21.1	24,278	42.5	7,141	12.5	5,932	10.4	-	-	7,730	13.5	-	-	-	-	57,098	100.0
Gas C	17,831	18.3	47,561	48.8	17,044	17.5	8,607	8.8	1,065	1.1	4,268	4.4	1,088	1.1	-	-	97,464	100.0
Iso CC	9,038	23.1	15,528	39.7	5,367	13.7	7,080	18.1	1,629	4.2	448	1.2	-	-	-	-	39,090	100.0
LC CC	17,249	32.0	20,304	37.6	9,080	16.8	5,752	10.6	-	-	1,222	2.3	379	0.7	-	-	53,986	100.0
Roc CC	14,687	17.3	28,582	33.6	13,062	15.4	15,734	18.5	4,174	4.9	6,822	8.0	2,007	2.3	-	-	85,068	100.0
San CC	11,999	18.2	23,292	35.4	9,879	15.0	7,828	11.9	3,543	5.4	6,470	9.8	2,814	4.3	-	-	65,825	100.0
S/E CC	13,901	25.7	14,384	26.5	7,728	14.3	5,913	10.9	1,903	3.5	9,749	18.0	592	1.1	-	-	54,170	100.0
Sur CC	11,868	26.7	15,818	35.6	5,947	13.4	4,164	9.4	2,021	4.5	4,524	10.2	116	0.2	-	-	44,458	100.0
Way CC	9,030	19.0	24,175	50.9	7,841	16.5	4,305	9.1	143	0.3	2,008	4.2	-	-	-	-	47,502	100.0
WP CC	9,710	22.1	13,868	31.5	8,005	18.2	6,822	15.5	1,115	2.5	3,104	7.0	1,409	3.2	-	-	44,033	100.0
TOTAL	167,590	22.2	287,660	38.0	121,132	16.0	84,857	11.2	28,553	3.8	55,188	7.3	9,695	1.3	1,434	0.2	756,109	100.0

Table A-14 (Cont'd)

Net Assignable Area By Room Type
(Non-Residential)
Fall 1968

INSTITUTION	Classroom Facilities (100)	%	Laboratory Facilities (200)	%	Office Facilities (300)	%	Study Facilities (400)	%	Special Use Facilities (500)	%	General Use Facilities (600)	%	Supporting Facilities (700)	%	Medical Care Facilities (800)	%	Total (100-800)	%
Technical Institutes:																		
Ans TI	1,982	16.7	8,557	72.2	1,037	8.8		-	-	-	161	1.4	105	0.9	-	-	11,842	100.0
A-B TI	8,502	12.0	46,570	56.6	5,665	8.0	2,747	3.9	-	-	1,020	1.4	6,450	9.1	-	-	70,954	100.0
Bea TI	3,513	22.0	9,092	57.0	1,736	10.9	1,401	8.8	-	-	94	0.6	120	0.7	-	-	15,956	100.0
Bla TI	3,379	18.2	12,265	65.9	1,180	6.3	748	4.0	-	-	1,050	5.6	-	-	-	-	18,622	100.0
Cal TI	8,136	18.5	20,033	45.5	6,379	14.5	4,084	9.3	162	0.4	4,995	11.3	217	0.5	-	-	44,006	100.0
CF TI	5,436	16.4	18,498	55.7	4,681	14.1	2,209	6.6	1,400	4.2	424	1.3	576	1.7	-	-	33,224	100.0
Car TI	2,602	18.6	8,361	59.6	1,504	10.7	1,270	9.0	-	-	289	2.1	-	-	-	-	14,026	100.0
CV TI	14,596	28.7	26,399	51.8	3,116	6.1	1,931	3.8	-	-	4,415	8.7	450	0.9	-	-	50,907	100.0
CC TI	8,663	18.7	25,901	56.0	5,817	12.6	2,716	5.9	-	-	1,301	2.8	1,854	4.0	-	-	46,252	100.0
Cle TI	2,965	20.2	8,821	60.0	1,378	9.4	1,310	8.9	-	-	221	1.5	-	-	-	-	14,695	100.0
Cra TI	1,775	14.0	5,658	44.7	2,181	17.3	1,037	8.2	-	-	486	3.8	1,521	12.0	-	-	12,658	100.0
Dur TI	7,473	20.5	22,355	61.5	4,005	11.0	1,135	3.1	-	-	820	2.3	581	1.6	-	-	36,369	100.0
Edg TI	734	6.5	7,185	63.9	1,004	8.9	1,287	11.5	-	-	750	6.7	282	2.5	-	-	11,242	100.0
Fay TI	10,428	19.0	30,022	54.9	8,268	15.1	2,821	5.2	-	-	3,035	5.5	169	0.3	-	-	54,743	100.0
For TI	6,523	9.8	51,124	76.6	6,288	9.4	1,100	1.7	-	-	760	1.1	957	1.4	-	-	66,752	100.0
Gui TI	10,732	14.0	44,555	58.2	10,837	14.1	6,073	7.9	-	-	4,431	5.8	-	-	-	-	76,628	100.0
Hal TI	2,400	14.0	1,890	11.0	1,654	9.7	2,250	13.2	-	-	720	4.2	8,190	47.9	-	-	17,104	100.0
Hay TI	4,750	28.6	8,350	50.3	1,729	10.4	1,440	8.7	-	-	330	2.0	-	-	-	-	16,599	100.0
JS I	3,750	19.6	9,967	52.0	2,512	13.1	1,250	6.5	-	-	1,680	8.8	-	-	-	-	19,159	100.0
Mar TI	3,660	17.4	13,840	66.0	672	3.2	1,304	6.2	-	-	1,500	7.2	-	-	-	-	20,976	100.0
McD TI	710	5.8	9,760	79.1	1,165	9.4	465	3.8	-	-	240	1.9	-	-	-	-	12,340	100.0
Mon TI	1,408	20.8	2,576	38.0	1,743	25.7	704	10.4	-	-	184	2.7	162	2.4	-	-	6,777	100.0
Nas TI	3,870	23.6	8,046	49.1	2,584	15.7	1,896	11.6	-	-	-	-	-	-	-	-	16,396	100.0
Ons TI	11,645	31.9	15,525	42.5	4,824	13.2	2,191	6.0	752	2.1	1,579	4.3	-	-	-	-	36,516	100.0
Pam TI	704	7.0	4,283	42.9	1,304	13.1	1,728	17.3	-	-	225	2.2	1,748	17.5	-	-	9,992	100.0
Pit TI	2,843	12.8	13,350	60.2	3,088	14.0	1,755	7.9	-	-	666	3.0	464	2.1	-	-	22,166	100.0
Ran TI	4,051	11.1	22,353	61.4	3,223	8.9	2,340	6.4	244	0.7	3,055	8.4	1,116	3.1	-	-	36,382	100.0
Ric TI	9,373	24.2	17,941	46.4	5,256	13.6	3,242	8.4	-	-	2,302	5.9	578	1.5	-	-	38,692	100.0
Roa TI	2,214	20.7	4,719	44.1	1,689	15.8	1,944	18.1	-	-	144	1.3	-	-	-	-	10,710	100.0
Rob TI	4,464	17.7	11,718	46.5	3,394	13.5	1,596	6.3	-	-	4,032	16.0	-	-	-	-	25,204	100.0
Row TI	6,216	18.5	20,056	59.8	3,815	11.4	1,988	5.9	-	-	1,476	4.4	-	-	-	-	33,551	100.0
Sam TI	3,915	17.0	13,455	58.4	2,259	9.8	1,490	6.5	-	-	1,925	8.3	-	-	-	-	23,044	100.0
S/W TI	1,188	9.7	8,191	66.9	2,099	17.2	758	6.2	-	-	-	-	-	-	-	-	12,236	100.0
TI of A	9,237	22.3	22,009	53.1	3,450	8.3	3,025	7.3	376	0.9	2,532	6.1	827	2.0	-	-	41,456	100.0
Tri TI	3,433	21.7	8,552	54.1	1,402	8.9	1,074	6.8	-	-	360	2.3	975	6.2	-	-	15,796	100.0
WC TI	5,594	13.6	23,456	57.1	4,445	10.8	2,714	6.6	132	0.3	1,851	4.5	2,900	7.1	-	-	41,092	100.0
WWH TI	10,906	19.9	30,544	55.6	8,150	14.8	1,113	2.0	80	0.2	3,041	5.5	1,114	2.0	-	-	54,948	100.0
TOTAL	193,770	17.8	615,977	56.5	125,533	11.5	68,136	6.2	3,146	0.3	52,094	4.8	31,356	2.9	-	-	1,090,012	100.0

Net Assignable Square Feet Per Student Station For Classrooms

Table A-15

Fall 1968

INSTITUTION	Number Of Rooms	Number Of Student Stations	Total Assignable Sq. Ft.	Sq. Ft. Per Student Station
Community Colleges:				
CP CC	53	1,722	31,036	18
C of A	18	603	8,914	15
DC CC	21	698	11,837	17
Gas C	29	1,022	17,577	17
Iso C	13	551	8,829	16
LC CC	26	1,004	17,024	17
Roc CC	16	511	13,532	26
San CC	13	626	11,476	18
S/E CC	19	680	13,614	20
Sur CC	14	689	10,646	15
Way CC	16	775	9,030	12
WP CC	12	610	9,710	16
TOTAL	250	9,491	163,225	17
Technical Institutes:				
Ans TI	3	68	1,982	29
A-B TI	15	367	8,392	23
Bea TI	6	121	3,513	29
Bla TI	4	99	3,379	34
Cal TI	12	308	7,735	25
CF TI	8	160	5,436	34
Car TI	5	112	2,602	23
CV TI	21	665	14,596	22
CC TI	17	439	8,486	19
Cle TI	8	170	2,965	17

Net Assignable Square Feet Per Student Station For Classrooms
(continued)

Table A-15

Fall 1968

INSTITUTION	Number Of Rooms	Number Of Student Stations	Total Assignable Sq. Ft.	Sq. Ft. Per Student Station
Cra TI	6	103	1,775	17
Dur TI	11	403	7,473	19
Edg TI	2	30	694	23
Fay TI	16	565	10,428	18
For TI	12	322	6,523	20
Gui TI	19	556	10,732	19
Hal TI	6	115	2,400	21
Hay TI	8	245	4,750	19
JS I	5	134	3,750	28
Mar TI	6	140	3,660	26
McD TI	2	37	710	19
Mon TI	2	46	1,408	31
Nas TI	5	120	3,870	32
Ons TI	13	340	11,645	34
Pam TI	1	28	704	25
Pit TI	7	135	2,843	21
Ran TI	9	137	4,051	30
Ric TI	13	420	9,373	22
Roa TI	8	107	2,165	20
Rob TI	6	133	4,464	34
Row TI	11	399	6,216	16
Sam TI	8	130	3,915	30
S/W TI	3	56	1,188	21
TI of A	15	454	9,087	20
Tri TI	7	139	3,397	24
WC TI	8	225	5,594	25
WWH TI	18	514	10,906	21
TOTAL	326	8,542	192,807	23

Net Assignable Square Feet Per Student Station For Class Laboratories

Table A-16

Fall 1968

INSTITUTION	Number Of Rooms	Number Of Student Stations	Total Assignable Sq. Ft.	Sq. Ft. Per Student Station
Community Colleges:				
CP CC	33	917	42,532	46
C of A	17	368	12,075	33
DC CC	17	383	21,072	55
Gas C	47	867	41,136	47
Iso C	12	295	14,367	49
LC CC	15	385	18,218	47
Roc CC	20	423	24,318	57
San CC	13	317	20,009	63
S/E CC	12	295	13,083	44
Sur CC	13	273	12,511	46
Way CC	27	478	21,298	45
WP CC	12	237	11,541	49
TOTAL	238	5,238	252,160	48
Technical Institutes:				
Ans TI	7	102	8,557	84
A-B TI	29	594	36,774	62
Bea TI	7	107	8,347	78
Bla TI	6	130	9,402	72
Cal TI	13	212	18,729	88
CF TI	15	270	17,229	64
Car TI	10	144	8,281	58
CV TI	20	454	25,193	55
CC TI	21	399	23,375	59
Cle TI	9	172	8,653	50

Net Assignable Square Feet Per Student Station For Class Laboratories (continued)

Table A-16

Fall 1968

INSTITUTION	Number Of Rooms	Number Of Student Stations	Total Assignable Sq. Ft.	Sq. Ft. Per Student Station
Cra TI	9	121	5,386	45
Dur TI	12	292	18,565	64
Edg TI	8	115	7,169	62
Fay TI	22	468	27,586	59
For TI	21	463	44,124	95
Gui TI	29	441	39,102	89
Hal TI	2	27	1,370	51
Hay TI	9	60	8,350	52
JS I	8	162	9,060	56
Mar TI	10	196	13,840	71
McD TI	7	109	9,760	90
Mon TI	3	64	2,576	40
Nas TI	7	123	7,266	59
Ons TI	14	265	13,979	53
Pam TI	4	60	4,123	69
Pit TI	7	155	11,488	74
Ran TI	17	270	20,355	75
Ric TI	15	271	16,932	62
Roa TI	6	84	4,620	55
Rob TI	9	177	11,272	64
Row TI	15	288	16,148	56
Sam TI	8	118	12,755	108
S/W TI	10	171	7,946	46
TI of A	19	418	20,528	49
Tri TI	8	108	7,050	65
WC TI	15	301	21,961	73
WWH TI	20	344	28,300	82
TOTAL	451	8,355	556,151	67

Net Assignable Square Feet Of Academic Facilities Per Credit-Hour FTE Student

Table A-17

Fall 1968

INSTITUTION	NASF of Academic Facilities	Total FTE Enrollment	NASF of Academic Facilities Per Credit Hour FTE Student 1968	(1967)
Community Colleges:				
CP CC	110,794	3,010	37	(35)
C of A	47,903	554	86	(90)
DC CC	49,214	652	75	(103)
Gas C	96,754	1,217	80	(76)
Iso C	39,090	387	101	-
LC CC	52,764	970	54	(60)
Roc CC	77,969	771	101	(91)
San CC	58,853	829	71	(79)
S/E CC	45,477	655	69	(70)
Sur CC	39,756	452	88	(95)
Way CC	46,034	815	56	(78)
WP CC	40,929	675	61	-
TOTAL	705,537	10,987	64	(68)
Technical Institutes:				
Ans TI	11,681	78	150	-
A-B TI	65,860	710	93	(96)
Bea TI	15,862	147	108	-
Bla TI	17,572	98	179	-
Cal TI	41,405	292	142	(141)
CF TI	31,286	398	79	(141)
Car TI	13,450	100	135	-
CV TI	45,792	741	62	(73)
CC TI	44,951	257	175	(201)
Cle TI	14,474	151	96	-

Net Assignable Square Feet Of Academic Facilities Per Credit-Hour FTE Student (continued)

Table A-17 Fall 1968

INSTITUTION	NASF of Academic Facilities	Total FTE Enrollment	NASF of Academic Facilities Per Credit Hour FTE Student 1968	(1967)
Cra TI	12,172	114	107	-
Dur TI	35,549	440	81	(66)
Edg TI	10,492	66	159	-
Fay TI	51,708	766	68	(76)
For TI	65,992	706	93	(98)
Gui TI	72,197	529	136	(134)
Hal TI	16,384	119	138	-
Hay TI	16,599	192	86	-
JS I	17,479	180	97	(120)
Mar TI	19,476	94	207	-
McD TI	12,100	109	111	-
Mon TI	5,676	33	172	-
Nas TI	16,396	83	198	-
Ons TI	34,775	231	151	-
Pam TI	9,767	55	178	-
Pit TI	21,500	380	57	(54)
Ran TI	33,327	200	167	(186)
Ric TI	36,261	324	112	(202)
Roa TI	10,515	64	164	-
Rob TI	21,172	198	107	-
Row TI	32,075	460	70	(90)
Sam TI	21,035	188	112	-
S/W TI	12,236	171	72	(76)
TI of A	38,924	550	71	(78)
Tri TI	15,436	69	224	-
WC TI	39,241	461	85	(98)
WWH TI	51,414	591	87	(74)
TOTAL	1,032,231	10,345	100	(98)

Capacity/Enrollment Ratio

Table A-18

Fall 1968

INSTITUTION	Net Assignable Sq. Ft. of Instructional and Library Facilities	Total Student Clock Hours	Capacity/Enrollment Ratio 1968	(1967)
Community Colleges:				
CP CC	95,477	65,996	1.45	(1.50)
C of A	42,647	12,313	3.46	(4.32)
DC CC	44,797	14,771	3.03	(3.79)
Gas C	83,768	24,551	3.41	(2.93)
Iso C	33,948	9,476	3.58	-
LC CC	45,810	20,277	2.26	(2.11)
Roc CC	65,684	16,612	3.95	(3.41)
San CC	51,234	18,608	2.75	(4.02)
S/E CC	38,928	13,613	2.86	(2.73)
Sur CC	35,793	9,340	3.83	(4.26)
Way CC	41,157	21,436	1.92	(2.11)
WP CC	34,211	13,256	2.58	-
TOTAL	613,454	240,249	2.55	(2.72)
Technical Institutes:				
Ans TI	10,539	1,061	9.93	-
A-B TI	56,237	15,509	3.63	(3.16)
Bea TI	14,006	5,025	2.79	-
Bla TI	16,392	3,805	4.31	-
Cal TI	34,735	7,482	4.64	(6.44)
CF TI	27,656	14,649	1.89	(2.16)
Car TI	11,657	3,583	3.25	-
CV TI	45,010	20,125	2.24	(2.23)
CC TI	39,136	7,976	4.91	(4.84)
Cle TI	13,619	3,895	3.50	-

Capacity/Enrollment Ratio
(continued)

Table A-18

Fall 1968

INSTITUTION	Net Assignable Sq. Ft. of Instructional and Library Facilities	Total Student Clock Hours	Capacity/Enrollment Ratio 1968	(1967)
Cra TI	9,209	2,905	3.17	-
Dur TI	32,008	9,854	3.25	(2.58)
Edg TI	9,206	2,630	3.50	-
Fay TI	46,943	25,021	1.88	(1.33)
For TI	61,857	20,916	2.96	(3.11)
Gui TI	67,916	14,152	4.80	(4.69)
Hal TI	6,540	1,699	3.85	-
Hay TI	15,188	5,335	2.85	-
JS I	15,791	4,672	3.38	(5.67)
Mar TI	18,804	2,912	6.46	-
McD TI	11,055	2,331	4.74	-
Mon TI	3,984	751	5.30	-
Nas TI	13,812	2,399	5.76	-
Ons TI	30,563	9,567	3.19	-
Pam TI	6,906	1,752	3.94	-
Pit TI	18,071	8,584	2.11	(1.76)
Ran TI	29,620	7,616	3.89	(2.26)
Ric TI	31,811	9,037	3.52	(5.86)
Roa TI	8,817	1,972	4.47	-
Rob TI	18,615	7,930	2.35	-
Row TI	29,843	11,816	2.53	(3.57)
Sam TI	19,215	5,916	3.25	-
S/W TI	10,711	4,653	2.30	(2.91)
TI of A	35,296	16,032	2.20	(1.94)
Tri TI	13,309	2,927	4.55	-
WC TI	33,444	12,721	2.63	(3.34)
WWH TI	45,912	15,966	2.88	(2.18)
TOTAL	913,433	295,165	3.09	(2.75)

Average Student Station Hours Per Week For Classrooms

Table A-19

Fall 1968

INSTITUTION	Daytime	Nighttime	All Hours 1968	All Hours (1967)
Community Colleges:				
CP CC	19.5	4.9	24.4	(23.7)
C of A	11.3	1.6	12.8	(10.5)
DC CC	14.0	0.5	14.5	(10.2)
Gas C	11.1	2.8	13.9	(16.6)
Iso C	8.6	4.1	12.7	-
LC CC	11.2	2.4	13.6	(13.8)
Roc CC	16.4	3.2	19.6	(18.9)
San CC	17.6	2.2	19.8	(12.3)
S/E CC	10.9	1.8	12.7	(13.6)
Sur CC	6.2	1.0	7.2	(7.7)
Way CC	12.2	3.6	15.8	(11.5)
WP CC	12.4	2.4	14.8	-
WEIGHTED MEAN	13.2	2.8	16.0	(14.6)
Technical Institutes:				
Ans TI	2.4	2.0	4.5	-
A-B TI	11.8	4.1	15.9	(17.5)
Bea TI	22.5	3.9	26.5	-
Bla TI	5.8	0.0	5.8	-
Cal TI	5.8	2.6	8.4	(7.8)
CF TI	23.7	15.4	39.0	(33.3)
Car TI	9.1	3.5	12.6	-
CV TI	13.9	4.6	18.5	(15.9)
CC TI	7.0	0.8	7.8	(9.2)
Cle TI	12.0	1.3	13.4	-

Average Student Station Hours Per Week For Classrooms (continued)

Table A-19

Fall 1968

INSTITUTION	Daytime	Nighttime	All Hours	
			1968	(1967)
Cra TI	10.4	2.5	12.9	-
Dur TI	17.6	1.1	18.7	(19.3)
Edg TI	16.4	18.9	35.3	-
Fay TI	19.4	3.9	23.3	(20.2)
For TI	18.2	7.4	25.6	(23.0)
Gui TI	9.8	1.1	10.9	(14.4)
Hal TI	7.9	2.7	10.6	-
Hay TI	14.4	0.5	14.9	-
JS I	13.5	0.0	13.5	(8.6)
Mar TI	0.0	0.0	0.0	-
McD TI	18.0	0.0	18.0	-
Mon TI	2.6	1.0	3.6	-
Nas TI	10.7	1.1	11.8	-
Ons TI	10.4	4.4	14.8	-
Pam TI	18.9	6.9	25.8	-
Pit TI	22.2	3.5	25.7	(38.5)
Ran TI	13.9	6.2	20.1	(35.7)
Ric TI	10.2	1.0	11.3	(6.9)
Roa TI	8.3	0.5	8.8	-
Rob TI	26.0	2.6	28.6	-
Row TI	9.9	3.1	13.1	(12.9)
Sam TI	21.2	0.0	21.2	-
S/W TI	6.7	2.9	9.5	(19.0)
TI of A	16.3	4.5	20.8	(21.3)
Tri TI	9.5	3.7	13.2	-
WC TI	18.9	3.6	22.5	(20.3)
WWH TI	16.4	0.8	17.2	(26.9)
WEIGHTED MEAN	13.4	3.0	16.3	(17.3)

Average Student Station Hours Per Week For Class Laboratories

Table A-20

Fall 1968

INSTITUTION	Daytime	Nighttime	All Hours 1968	All Hours (1967)
Community Colleges:				
CP CC	18.9	4.2	23.1	(17.7)
C of A	7.5	0.6	8.0	(7.8)
DC CC	6.8	1.9	8.7	(11.4)
Gas C	8.2	3.1	11.3	(12.8)
Iso C	6.6	1.0	7.6	-
LC CC	13.7	3.0	16.7	(20.3)
Roc CC	10.9	1.5	12.5	(14.6)
San CC	12.1	1.9	14.0	(14.1)
S/E CC	7.4	2.6	9.9	(15.5)
Sur CC	10.5	3.1	13.6	(10.0)
Way CC	15.2	3.2	18.3	(21.0)
WP CC	12.9	2.9	15.8	-
WEIGHTED MEAN	11.6	2.7	14.3	(14.8)
Technical Institutes:				
Ans TI	4.7	2.7	7.4	-
A-B TI	12.7	3.4	16.1	(17.2)
Bea TI	15.6	0.9	16.5	-
Bla TI	14.1	1.1	15.3	-
Cal TI	11.6	6.4	18.0	(11.2)
CF TI	22.8	6.8	29.7	(23.9)
Car TI	7.3	6.8	14.1	-
CV TI	13.4	3.1	16.5	(18.8)
CC TI	9.8	0.8	10.6	(13.5)
Cle TI	4.8	3.1	7.9	-

Average Student Station Hours Per Week For Class Laboratories (continued)

Table A-20

Fall 1968

INSTITUTION	Daytime	Nighttime	All Hours 1968	All Hours (1967)
Cra TI	5.3	2.5	7.8	-
Dur TI	6.9	1.1	8.0	(16.0)
Edg TI	10.2	2.6	12.7	-
Fay TI	19.7	4.3	24.0	(24.0)
For TI	19.3	8.1	27.4	(29.2)
Gui TI	13.9	3.7	17.6	(19.7)
Hal TI	13.0	0.0	13.0	-
Hay TI	4.7	2.2	6.9	-
JS I	11.2	0.4	11.6	(10.1)
Mar TI	9.9	0.0	9.9	-
McD TI	14.4	0.9	15.3	-
Mon TI	7.1	1.4	8.5	-
Nas TI	5.7	0.6	6.3	-
Ons TI	7.6	8.8	16.4	-
Pam TI	13.5	0.6	14.1	-
Pit TI	23.0	4.1	27.1	(32.7)
Ran TI	11.8	4.0	15.8	(36.4)
Ric TI	11.3	3.7	15.0	(10.1)
Roa TI	3.0	3.4	6.4	-
Rob TI	16.7	4.5	21.2	-
Row TI	15.2	6.3	21.6	(13.6)
Sam TI	23.0	0.0	23.0	-
S/W TI	15.7	4.9	20.6	(14.3)
TI of A	11.5	3.4	14.8	(15.7)
Tri TI	8.4	1.3	9.7	-
WC TI	22.0	3.4	25.4	(18.0)
WWH TI	17.8	2.6	20.3	(26.9)
WEIGHTED MEAN	13.4	3.6	17.0	(18.9)

3

Percent Student Station Utilization For Classrooms

Table A-21

Fall 1968

INSTITUTION	Daytime	Nighttime	All Hours 1968	(1967)
Community Colleges:				
CP CC	70.9	52.4	66.2	(62.9)
C of A	57.6	57.6	57.6	(69.1)
DC CC	69.4	31.1	66.4	(67.2)
Gas C	57.6	53.0	56.6	(63.1)
Iso C	45.4	110.0	56.2	-
LC CC	66.1	50.8	62.8	(50.3)
Roc CC	61.5	42.8	57.4	(65.8)
San CC	45.9	42.7	45.5	(45.4)
S/E CC	54.2	42.9	52.2	(54.3)
Sur CC	52.4	53.3	52.6	(48.4)
Way CC	45.8	38.1	43.8	(47.2)
WP CC	57.5	58.5	57.7	-
WEIGHTED MEAN	58.8	50.8	57.2	(58.2)
Technical Institutes:				
Ans TI	31.0	39.3	34.3	-
A-B TI	62.7	54.5	60.3	(68.9)
Bea TI	81.6	73.7	80.3	-
Bla TI	44.5	0.0	44.5	-
Cal TI	57.0	47.6	53.7	(42.8)
CF TI	91.9	166.2	111.5	(63.4)
Car TI	43.3	88.0	50.3	-
CV TI	62.1	54.5	60.1	(62.6)
CC TI	47.6	62.8	48.8	(57.9)
Cle TI	72.6	57.3	70.7	-

Percent Student Station Utilization
For Classrooms
(continued)

Table A-21

Fall 1968

INSTITUTION	Daytime	Nighttime	All Hours 1968	All Hours (1967)
Cra TI	52.0	72.6	55.0	-
Dur TI	50.1	51.7	50.2	(57.7)
Edg TI	88.6	164.6	117.8	-
Fay TI	63.2	59.5	62.5	(59.8)
For TI	70.9	76.8	72.5	(70.2)
Gui TI	61.3	53.8	60.5	(51.6)
Hal TI	77.7	86.7	79.8	-
Hay TI	56.9	29.6	55.0	-
JS I	42.9	0.0	42.9	(84.3)
Mar TI	0.0	0.0	0.0	-
McD TI	106.0	0.0	106.0	-
Mon TI	25.0	50.0	28.9	-
Nas TI	69.2	73.3	69.6	-
Ons TI	156.0	61.8	107.6	-
Pam TI	94.6	57.1	80.6	-
Pit TI	87.0	77.3	85.6	(91.8)
Ran TI	95.0	84.3	91.4	(96.8)
Ric TI	77.6	60.3	75.6	(49.5)
Roa TI	90.9	66.7	89.2	-
Rob TI	109.6	90.5	107.6	-
Row TI	60.2	51.5	57.9	(45.8)
Sam TI	102.2	0.0	102.2	-
S/W TI	62.2	60.6	61.7	(59.4)
TI of A	58.6	65.2	59.9	(63.0)
Tri TI	43.0	65.2	47.5	-
WC TI	58.7	53.0	57.7	(75.9)
WWH TI	64.7	43.0	63.2	(70.1)
WEIGHTED MEAN	65.0	65.2	65.1	(62.7)

Percent Student Station Utilization For Class Laboratories

Table A-22

Fall 1968

INSTITUTION	Daytime	Nighttime	All Hours 1968	All Hours (1967)
Community Colleges:				
CP CC	63.5	46.7	59.6	(58.4)
C of A	68.0	51.3	66.5	(63.2)
DC CC	52.2	70.0	55.2	(63.6)
Gas C	71.3	86.2	74.9	(87.0)
Iso C	51.7	50.0	51.5	-
LC CC	67.7	41.5	60.8	(50.1)
Roc CC	68.1	37.7	62.0	(68.7)
San CC	68.0	86.0	69.9	(76.9)
S/E CC	72.9	59.0	68.7	(79.4)
Sur CC	62.4	93.0	67.5	(64.3)
Way CC	75.4	73.2	75.0	(75.2)
WP CC	67.7	63.6	66.9	-
WEIGHTED MEAN	66.1	58.4	64.5	(67.9)
Technical Institutes:				
Ans TI	51.8	43.1	48.3	-
A-B TI	72.4	56.3	68.2	(64.3)
Bea TI	83.8	51.0	80.9	-
Bla TI	50.2	49.7	50.2	-
Cal TI	70.0	78.6	72.8	(64.8)
CF TI	84.8	91.3	86.2	(71.6)
Car TI	38.5	130.4	58.2	-
CV TI	58.0	63.7	59.0	(73.2)
CC TI	57.6	82.5	59.0	(77.6)
Cle TI	48.2	56.5	51.2	-

Percent Student Station Utilization For Class Laboratories (continued)

Table A-22

Fall 1968

INSTITUTION	Daytime	Nighttime	All Hours	
			1968	(1967)
Cra TI	48.6	56.2	50.8	-
Dur TI	44.8	87.2	47.9	(67.4)
Edg TI	62.6	99.0	67.7	-
Fay TI	73.1	80.9	74.4	(81.7)
For TI	74.8	81.9	76.8	(76.5)
Gui TI	90.1	62.9	82.6	(74.5)
Hal TI	71.9	0.0	71.9	-
Hay TI	49.1	63.3	52.9	-
JS I	39.0	25.0	38.3	(47.1)
Mar TI	56.8	0.0	56.8	-
McD TI	79.9	40.0	75.5	-
Mon TI	33.3	37.1	33.8	-
Nas TI	48.6	28.6	45.6	-
Ons TI	62.8	121.3	84.7	-
Pam TI	70.9	80.0	71.2	-
Pit TI	61.4	53.2	60.0	(75.4)
Ran TI	83.0	116.0	89.4	(74.9)
Ric TI	85.1	101.8	88.7	(56.9)
Roa TI	73.9	79.2	76.6	-
Rob TI	68.9	178.7	79.3	-
Row TI	82.3	78.5	81.1	(56.7)
Sam TI	86.2	0.0	86.2	-
S/W TI	94.8	140.0	102.7	(64.2)
TI of A	54.5	60.9	55.8	(56.9)
Tri TI	90.0	104.5	91.7	-
WC TI	69.9	77.4	70.8	(75.1)
WWH TI	83.1	51.3	77.1	(76.6)
WEIGHTED MEAN	68.3	76.7	70.0	(70.5)

Selected Space Utilization Indices For Classrooms

Table A-23

Fall 1968

INSTITUTION	Average Room Hours Per Week	Percent Student Station Utilization	Space Factor	
			1968	(1967)
Community Colleges:				
CP CC	36.2	66.2	0.74	(0.72)
C of A	21.6	57.6	1.15	(1.54)
DC CC	20.0	66.4	1.17	(1.72)
Gas C	24.0	56.6	1.24	(1.02)
Iso C	25.3	56.2	1.26	-
LC CC	25.3	62.8	1.24	(1.12)
Roc CC	30.7	57.4	1.35	(1.39)
San CC	43.8	45.5	0.93	(1.51)
S/E CC	24.3	52.2	1.58	(1.44)
Sur CC	15.9	52.6	2.14	(2.30)
Way CC	35.9	43.8	0.74	(1.07)
WP CC	33.8	57.7	1.07	-
WEIGHTED MEAN	28.5	57.2	1.07	(1.18)
Technical Institutes:				
Ans TI	13.0	34.3	6.48	-
A-B TI	25.7	60.3	1.44	(1.35)
Bea TI	34.0	80.3	1.10	-
Bla TI	10.3	44.5	5.84	-
Cal TI	15.5	53.7	2.99	(3.41)
CF TI	35.0	111.5	0.87	(1.94)
Car TI	18.6	50.3	1.85	-
CV TI	28.1	60.1	1.18	(1.20)
CC TI	10.8	48.8	2.49	(2.47)
Cle TI	19.1	70.7	1.30	-

Selected Space Utilization Indices For Classrooms
(continued)

Table A-23 **Fall 1968**

INSTITUTION	Average Room Hours Per Week	Percent Student Station Utilization	Space Factor	
			1968	(1967)
Cra TI	22.3	55.0	1.34	-
Dur TI	36.2	50.2	0.99	(1.01)
Edg TI	30.0	117.8	0.65	-
Fay TI	37.1	62.5	0.79	(0.98)
For TI	34.1	72.5	0.79	(0.88)
Gui TI	17.8	60.5	1.78	(1.28)
Hal TI	12.8	79.8	1.97	-
Hay TI	24.5	55.0	1.30	-
JS I	33.0	42.9	2.08	(2.59)
Mar TI	0.0	0.0	-	-
McD TI	17.0	106.0	1.06	-
Mon TI	16.5	28.9	8.53	-
Nas TI	20.0	69.6	2.73	-
Ons TI	14.4	107.6	2.32	-
Pam TI	32.0	80.6	0.98	-
Pit TI	32.3	85.6	0.82	(0.57)
Ran TI	20.0	91.4	1.47	(0.95)
Ric TI	14.3	75.6	1.98	(3.14)
Roa TI	9.0	89.2	2.30	-
Rob TI	26.2	107.6	1.17	-
Row TI	19.5	57.9	1.19	(1.27)
Sam TI	21.3	102.2	1.42	-
S/W TI	15.0	61.7	2.23	(1.05)
TI of A	33.2	59.9	0.96	(0.96)
Tri TI	16.9	47.5	1.85	-
WC TI	38.5	57.7	1.11	(1.24)
WWH TI	25.3	63.2	1.23	(0.68)
WEIGHTED MEAN	23.2	65.1	1.38	(1.22)

Selected Space Utilization Indices For Class Laboratories

Table A-24 **Fall 1968**

INSTITUTION	Average Room Hours Per Week	Percent Student Station Utilization	Space Factor	
			1968	(1967)
Community Colleges:				
CP CC	34.4	59.6	2.01	(3.06)
C of A	11.6	66.5	4.09	(5.74)
DC CC	16.8	55.2	6.34	(4.44)
Gas C	13.9	74.9	4.21	(3.94)
Iso C	14.0	51.5	6.41	-
LC CC	27.1	60.8	2.83	(2.48)
Roc CC	17.5	62.0	4.61	(3.79)
San CC	20.2	69.9	4.52	(5.39)
S/E CC	15.0	68.7	4.47	(2.46)
Sur CC	20.5	67.5	3.36	(5.49)
Way CC	19.7	75.0	2.43	(2.55)
WP CC	20.5	66.9	3.08	-
WEIGHTED MEAN	19.7	64.5	3.37	(3.68)
Technical Institutes:				
Ans TI	14.1	48.3	11.33	-
A-B TI	21.3	68.2	3.84	(5.73)
Bea TI	16.6	80.9	4.72	-
Bla TI	27.5	50.2	4.74	-
Cal TI	21.1	72.8	4.91	(9.87)
CF TI	31.5	86.2	2.15	(8.67)
Car TI	18.3	58.2	4.07	-
CV TI	27.4	59.0	3.36	(2.98)
CC TI	15.5	59.0	5.51	(5.84)
Cle TI	14.1	51.2	6.38	-

Selected Space Utilization Indices For Class Laboratories (continued)

Table A-24

Fall 1968

INSTITUTION	Average Room Hours Per Week	Percent Student Station Utilization	Space Factor 1968	Space Factor (1967)
Cra TI	13.9	50.8	5.69	-
Dur TI	15.0	47.9	7.98	(4.16)
Edg TI	18.0	67.7	4.89	-
Fay TI	28.2	74.4	2.45	(2.62)
For TI	35.7	76.8	3.48	(3.80)
Gui TI	19.3	82.6	5.02	(6.50)
Hal TI	18.5	71.9	3.91	-
Hay TI	13.2	52.9	7.56	-
JS I	30.3	38.3	4.81	(5.45)
Mar TI	17.4	56.8	7.13	-
McD TI	20.4	75.5	5.87	-
Mon TI	24.3	33.8	4.74	-
Nas TI	14.9	45.6	9.34	-
Ons TI	19.0	84.7	3.22	-
Pam TI	19.8	71.2	4.89	-
Pit TI	45.6	60.0	2.73	(2.94)
Ran TI	17.2	89.4	4.76	(2.57)
Ric TI	14.7	88.7	4.17	(7.55)
Roa TI	8.0	76.6	8.56	-
Rob TI	26.2	79.3	3.00	-
Row TI	26.5	81.1	2.60	(4.20)
Sam TI	28.1	86.2	4.69	-
S/W TI	24.5	102.7	2.26	(3.84)
TI of A	22.6	55.8	3.31	(4.14)
Tri TI	10.9	91.7	6.73	-
WC TI	36.1	70.8	2.87	(4.40)
WWH TI	24.5	77.1	4.04	(3.19)
WEIGHTED MEAN	22.4	70.0	3.91	(4.26)

Appendix B

Participating Institutions

With Abbreviation Codes Used In The Study

Participating Institutions
With Abbreviation Codes Used In The Study

Institution	Abbreviation	Location	FTE Enrollment
Consolidated University:			
N.C. State University	NCSU	Raleigh	10,367
U.N.C. at Chapel Hill	UNC-CH	Chapel Hill	13,000
U.N.C. at Chapel Hill (Health Affairs)	UNC-CH(HA)	Chapel Hill	1,786
U.N.C. at Charlotte	UNC-C	Charlotte	2,064
U.N.C. at Greensboro	UNC-G	Greensboro	5,165
Regional Universities:			
Appalachian State University	ASU	Boone	5,317
East Carolina University	ECU	Greenville	8,836
N.C. A&T State University	A&TU	Greensboro	3,642
Western Carolina University	WCU	Cullowhee	4,089
Public Senior Colleges:			
Asheville-Biltmore College	A-BC	Asheville	638
Elizabeth City State College	ECSC	Elizabeth City	944
Fayetteville State College	FSC	Fayetteville	1,218
N.C. College at Durham	NCC-D	Durham	2,904
N.C. School of the Arts	NCSA	Winston-Salem	218
Pembroke State College	PSC	Pembroke	1,548
Wilmington College	Wil C	Wilmington	1,192
Winston-Salem State College	WSSC	Winston-Salem	1,210

Private Universities:

Duke University	Durham	6,883
Medical Center of Duke University		338
Wake Forest University	Winston-Salem	2,860
Bowman Gray School of Medicine of Wake Forest University		227

Private 4-Year Colleges:

Atlantic Christian College	Wilson	1,465
Barber Scotia College	Concord	598
Belmont Abbey College	Belmont	798
Bennett College	Greensboro	683
Campbell College	Buie's Creek	2,366
Catawba College	Salisbury	1,040
Davidson College	Davidson	1,028
Elon College	Elon College	1,742
Greensboro College	Greensboro	682
Guilford College (Downtown Campus)	Greensboro	408
Guilford College (Guilford Campus)	Guilford	973
High Point College	High Point	1,214
Johnson C. Smith University	Charlotte	1,331
Lenoir Rhyne College	Hickory	1,302
Livingstone College	Salisbury	857
Mars Hill College	Mars Hill	1,248
Meredith College	Raleigh	852
Methodist College	Fayetteville	974

N. C. Wesleyan College	Rocky Mount	629
Pfeiffer College	Misenheimer	940
Queens College	Charlotte	777
Sacred Heart College	Belmont	476
St. Andrews Presbyterian College	Laurinburg	889
St. Augustine's College	Raleigh	1,122
Salem College	Winston-Salem	537
Shaw University	Raleigh	1,078
Warren Wilson College	Swannanoa	374

Private 2-Year Colleges:

Brevard College	Brevard	639
Chowan College	Murfreesboro	1,326
Gardner Webb Jr. College	Boiling Springs	1,270
Kittrell College	Kittrell	316
Lees-McRae College	Banner Elk	682
Louisburg College	Louisburg	819
Mitchell College	Statesville	521
Montreat-Anderson College	Montreat	460
Mount Olive Jr. College	Mount Olive	328
Peace College	Raleigh	425
Southwood College	Salemburg	268
Wingate College	Wingate	1,582

Community Colleges:

Central Piedmont	CP CC	Charlotte	3,010
College of Albemarle	C of A	Elizabeth City	554
Davidson County	DC CC	Lexington	631
Gaston College	Gas C	Gastonia	1,217
Isothermal	Iso CC	Spindale	387
Lenoir County	LC CC	Kinston	970
Rockingham	Roc CC	Wentworth	771
Sandhills	San CC	Southern Pines	829
Southeastern	S/E CC	Whiteville	655
Surry	Sur CC	Dobson	452
Wayne	Way CC	Goldsboro	815
Western Piedmont	WP CC	Morganton	673

Technical Institutes:

Anson	Ans TI	Ansonville	78
Asheville-Buncombe	A-B TI	Asheville	668
Beaufort County	Bea TI	Washington	147
Bladen	Bla TI	Elizabethtown	98
Caldwell	Cal TI	Lenoir	292
Cape Fear	CF TI	Wilmington	398
Carteret	Car TI	Morehead City	100
Catawba Valley	CV TI	Hickory	741
Central Carolina	CC TI	Sanford	257
Cleveland County	Cle TI	Shelby	151
Craven County	Cra TI	New Bern	114

Durham	Dur TI	Durham	440
Edgecombe County	Edg TI	Tarboro	66
Fayetteville	Fay TI	Fayetteville	766
Forsyth	For TI	Winston-Salem	706
Guilford	Gui TI	Jamestown	529
Halifax County	Hal TI	Halifax	119
Haywood	Hay TI	Clyde	192
James Sprunt Institute	JS I	Kenansville	180
Martin	Mar TI	Williamston	94
McDowell	McD TI	Marion	109
Montgomery	Mon TI	Troy	33
Nash	Nas TI	Rocky Mount	83
Onslow	Ons TI	Jacksonville	231
Pamlico	Pam TI	Alliance	55
Pitt	Pit TI	Greenville	380
Randolph	Ran TI	Asheboro	200
Richmond	Ric TI	Hamlet	324
Roanoke-Chowan	Roa TI	Ahoskie	64
Robeson	Rob TI	St. Pauls	198
Rowan	Row TI	Salisbury	460
Sampson	Sam TI	Clinton	188
Southwestern	S/W TI	Sylva	171
TI of Alamance	TI of A	Burlington	550
Tri-County	Tri TI	Murphy	69
Wilson County	WC TI	Wilson	461
W. W. Holding	WWH TI	Raleigh	591

Appendix C

Instructions And Procedures For Completing Facilities Inventory

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Introduction

The Congress in 1963 passed the Higher Education Facilities Act, designed to help meet the financial problem faced by colleges in providing buildings for the growing enrollment. Under this program about $41,600,000 have been made available through Fiscal Year 1969 to assist institutions in North Carolina.

In 1966, the Congress asked that a study be conducted of the facilities requirements of all colleges and universities in each state to determine the number and kinds of buildings needed, their estimated cost, and probable sources of funds. This information would enable the Congress to judge realistically if additional federal aid must be provided and in what amounts. Apparent in such a study is the annual requirements for a comprehensive inventory and utilization survey covering all facilities at all institutions of higher education.

In North Carolina, this inventory and survey requirement is being accomplished under the supervision of a Technical Committee consisting of representatives of each of the concerned state agencies—the State Board of Higher Education and Department of Community Colleges; the Property Control and Construction Division, Department of Administration; and the State Commission on Higher Education Facilities. The State Commission acts as the executive agency to conduct the inventory and survey. Surveys have been completed for school years 1967-68 and 1968-69.

This manual supersedes the manual used for the facilities inventory and utilization surveys of 1967 and 1968. For the most part, terms, codes, and definitions remain the same as in the previous publication. In both manuals, the terms, codes, definitions, and procedures are identical to or compatible with those used in the *Higher Education Facilities Classification and Inventory Procedures Manual,*[1] U. S. Office of Education.

Part I. General

A. Scope

1. The facilities inventory is designed to secure and to up-date at least annually a campus-by-campus, building-by-building, room-by-room physical facilities inventory of the following North Carolina educational institutions: public colleges and universities, public community colleges, those technical institutes which have or expect to have a majority of their full-time equivalent enrollment in two-year technical programs, and those private institutions which agree on a voluntary basis to participate. The utilization study will assemble, record, and analyze instructional room use information for these same institutions.

2. Through computerized data and information accrual and retrieval means, the inventory will be developed as a permanent system. Institutions will be individually assisted in expanding the capability to maintain their own inventory data.

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[1] U. S. Office of Education, Superintendent of Documents Catalogue No. FS 5.251:51016, U. S. Government Printing Office, Washington, D. C., 1968.

B. Value of the Survey

1. With complete, accurately gathered facilities and facilities use data available, it is possible to develop more wisely considered schedules for constructing and financing new buildings, to improve utilization practices, to develop justifiable cost-sharing budgets, to have a sound basis for making intra- and inter-institutional cost comparisons, and to interpret facilities problems to faculty, trustees, and to state, regional, and federal agencies as well as to citizens at large.

2. The goal will be to develop inventory and utilization data and analyses which will meet most institutional needs, the needs of the state agencies listed above, and the requirements of the U. S. Office of Education.

C. Project Guidelines

1. The State Plan governing the conduct of the project provides that data from participating private institutions will be given the degree of confidential treatment requested by the president of the college or university. It is hoped that the demonstrated benefits of this program have been such that all institutions will desire to continue their participation.

2. Except for private institutions, the gathering and processing of data will be accomplished through the joint effort of the agencies named in the introduction.

D. Data Collection

1. Three sets of data are being collected (or up-dated) for participating institutions:

   a. Selected building characteristics
   b. Selected room characteristics
   c. Instructional space utilization information

2. It is especially important that there be uniformity in reporting data since most of the statistical work in the project will be accomplished by computer.

3. The systems set forth herein, including definitions, terminology, and coding, are essentially the same as those used for the 1967 and 1968 surveys. Even so, because of the many codes and other identifications reported, institutions should review the instructions provided before beginning their reports. This review is particularly applicable for institutions reporting by data processing cards.

E. Use of Data

1. The U. S. Office of Education and the state agencies named herein will use the collected data in developing state, regional, and nation-wide projections of higher education needs.

2. Inventory information with respect to public institutions will become a part of a comprehensive data system now being developed by the State Board of Higher Education.

3. The concerned state agency or agencies of the Technical Committee will review and edit the data submitted by institutions. The Committee will provide to each institution the following information in the form of data processing printouts and analyses:

a. Inventory and information in terms of gross square feet:
   - (1) Building Characteristics Report—a raw data printout
   - (2) Building Report—an analysis by ownership, date of construction, actual capital investment, etc.
   - (3) Source of Funds (For building construction)

b. Inventory information in terms of net assignable square feet (NASF):
   - (1) Room Characteristics Report—a raw data printout
   - (2) Total Campus by Types of Rooms and Groups of Organizational Units
   - (3) Selected Organizational Units by Types of Rooms
   - (4) Instruction, Research and Public Service by Subject Field; Selected Organizational Units by Subject Field
   - (5) Selected Types of Rooms by Subject Field
   - (6) Total Campus by Function

c. Utilization information:
   - (1) A raw data sort by building, room, and class beginning hour
   - (2) Instructional Space Utilization—an analysis of space use by selected utilization indices

4. Significantly, in the interest of reduced institutional effort, the U. S. Office of Education has announced that two of the above enumerated computer printouts (to be specified) may be submitted by institutions in lieu of the present facilities portion of the Higher Education General Information Survey (HEGIS).

F. Project Coordinator

Each institution has appointed a project coordinator as a point of contact for this continuing survey. At four-year public institutions, the designated coordinator is normally the Director of Institutional Research. For all public institutions, the list of project coordinators has been supplied to all members of the Technical Committee.

G. Completed Forms

Send to: Higher Education Facilities Inventory Project
Higher Education Facilities Commission
P. O. Box 2147
Raleigh, North Carolina 27602

Part II. The Facilities Inventory

A. General

Through participation in the 1967 and 1968 facilities inventories, most institutions of higher education in North Carolina are familar with the procedures and techniques described in this manual. Also, because of this participation, it will not be necessary for most colleges and universities to re-inventory most spaces. Rather, an up-dating only will be required. Instructions for up-dating the inventory and for complete re-inventory of facilities are given in the pages which follow.

B. Formats for the Facilities Inventory

1. For up-dating inventory information, the Commission will provide each institution a "come-back" copy of the Building Characteristics Report and the Room Characteristics Report computer printouts accomplished for the previous year.

2. For inventory of spaces not previously included in the survey or for complete re-inventory of space, two sets of blank forms will be provided:

   a. Building Characteristics (Sample, p. 8)

   b. Room-By-Room Facilities Inventory (Sample, p. 15)

3. Institutions which provide inventory or inventory up-date information by data processing cards should note card layout formats on pp. 13, 19, 28.

C. Inventory Existing Facilities Only

Existing facilities are defined as those in use on September 30, 1969. Facilities being planned or under construction on September 30, 1969, or which were initially occupied by the institution after that date should not be included in the data reported.

D. Buildings to be Excluded

Do not report buildings falling within these categories:

a. Those located on remote institutional properties that are used by relatively small portions of the student body for only a short period of time each year, such as field camps, farms, and ranches.

b. Investment properties. Excluded also under this term are such facilities as Water Departments, Telephone Departments, Electric and Heating Plants, and Utilities, where these enterprise facilities serve the community as well as the institution and charge both the institution and the community for these services.

c. Hospitals not owned by the institution, even though some limited instruction and/or research may be carried on in them.

d. Public schools, not owned by the institution, which are used for practice teaching.

e. Federal contract research centers.

f. Branches, centers, or other components located outside the United States or its outlying parts.

E. General Instructions for the Facilities Inventory

1. Report all data requested on inventory formats or by data processing cards in accordance with instructions which follow.

2. In accomplishing the blank forms, be sure that every entry is legible and confined within the space provided for the entry. When in doubt about an entry, make necessary notes or sketches on the back of the sheet so that decisions concerning the entry may be made at a later time in consultation with the person on the campus who is responsible for the institution's inventory.

3. To lessen the possibility of error, it is recommended that data be placed directly on the inventory form and not on some intermediate schedule.

4. Institutions are particularly cautioned that where data are transposed from existing records onto the inventory forms or to punched cards, experience has shown that accuracy is particularly difficult to attain. Accordingly, a careful review of the transposing is strongly urged.

F. Instructions for Up-dating the Facilities Inventory (Using Computer Printout)

1. Building Characteristics

a. Using the previous year's computer printout ("come-back" copy), correct each individual printed item which is incorrect to show accurate current information. Line through the item to be corrected (up-dated) and insert the correction *in red* in such a way that one item will not be confused with another.

b. Using the Building Characteristics blank form provided, report on a single line applicable information for each building not previously included in the inventory (i.e., if the building is included on the computer printout for the previous year, up-date as in a, above; otherwise, use the blank form).

2. Room-By-Room Facilities Inventory

a. Using the previous year's computer printout ("come-back" copy), correct each individual printed item which is incorrect, to show accurate current information as in 1, a, above.

b. Using the Room-By-Room Facilities Inventory blank form provided, report required information for each room in those additional buildings reported in 1, b, above (i.e., if the building information is included in the previous year's computer printout, place up-dated or new room information on the Room Characteristics computer printout; otherwise, use the blank form). For each line entry on the Building Characteristics form, supporting Room-By-Room forms are required.

G. Instructions for Completing the Building Characteristics Format (Hard Copy) (See exhibit, p. 8)

1. Type or print all of the information requested in the heading. If the "Name of Institution" and its "Location" are the same as "Campus" and its "Location" complete only the "Name of Institution" and its "Location".

2. If more than one sheet must be used, number the sheets consecutively.

3. Use one horizontal line per building. Use as many sheets as necessary.

4. Since coded entries will be punched on data processing cards, it is important that entries be recorded on the sheet exactly as indicated in the instructions.

5. The numbers in parentheses below refer to the item and column numbers on the Building Characteristics form.

(1) *Building Number:* All buildings to be inventoried should be numbered consecutively. If numbers have not been assigned, the person responsible for the inventory should assign numbers. Use no more than four characters (numbers and letters combined). *Place on this Building Characteristics Sheet and on every Room-by-Room Inventory Sheet this same number for each building.* Note from the exhibit that the last of the four spaces in this field is reserved for an "Alpha" (or letter suffix) and that leading zeros (LZ) are required. For example:

Building 5 is entered	0 0 5
Building 5A is entered	0 0 5 A

Where there are building additions, it will be necessary in most instances to make separate line entries for the original building and each addition in order to provide the data required in columns (4) to (8). In cases where the institution identifies the original building and the additions *by separate building numbers,* (as, for example, where the function of an addition departs from the function of the original building or where the addition is, in effect, a separate entity) use these numbers as separate line entries in this column. Where the institution identifies the original building along with its additions by a *single building number,* use the number in the first line entry to represent the original building and this same number plus "A", "B", "C", etc., to represent additions (e.g., original building, 43; additions, 43A, 43B, 43C.)

Irrespective of the numbering system used, be sure that the same building number used on this form is used on the Room-by-Room Inventory form.

(2) *Name of Building:* Report the institutional name for this building in not more than 20 characters, including spaces between words or abbreviations. Where the same name applies to more than one building, it is suggested that they also be numbered sequentially; for example, Faculty House #1, Faculty House #2, etc. Separate name entries need not be made for building additions.

(3) *Non-Residential or Residential:* Use the appropriate one of the following numerical codes to indicate if the building is Non-Residential or Residential:

1. Non-Residential
2. Residential

(4) *Ownership:* Enter the number for the descriptive statement below which best describes the method by which the building is made available to the institution for use.

1. Owned by the institution or is being paid for on an amortization schedule.
2. Not owned, but leased or rented to the institution at a typical rate for the locality.
3. Not owned by the institution, but made available to it at either no cost or at a nominal rate.
4. Title now vested in a holding company or building corporation to which

BUILDING CHARACTERISTICS

Sheet #____ of ____ Sheets

Date ______ (month) / ______ (day) / ______ (year)

Name of Institution ____________ Location ______ (city) ______ (state)

Name of Campus ____________ Location ______ (city) ______ (state)

Person Preparing This Form ____________, ______ (title), ______ (tel. no.)

(1) Building Number - - - ALPHA	(2) Building Name	(3) Non-Residential or Residential	(4) Ownership Code	(5) Year Constructed	(6) Initially Occupied (Yr.)	(7) Scheduled to be Demolished (yr.)	(8) Building Condition	(9) Air Conditioning	(10) Building Cost	(11) Estimated Replacement Value	(12) Fallout Shelter	(13) Gross Area (sq. ft.)	SOURCES OF FUNDS	(14) Code No.	(15) Amount ($)
1	JOYNER HALL	1	1	968	968		1	6	500,000	525,000	4	27,300	a)	01	333,000
													b)	03	167,000
													c)		
21	INFIRMARY	1	3	910	910	72	3	3	18,000	39,000	2	2,630	a)		
													b)		
													c)		
32A	RESIDENCE No. 1	2	1	949	960		2	3	30,000	51,000	2	3,400	a)		
													b)		
													c)		
121C	GYMNASIUM	1	6	930	965		1	1	10,000	70,000	2	3,160	a)	18	10,000
													b)		
													c)		

payments are being made by the institution; title will ultimately pass to the institution (Includes lease-purchase arrangements).

5. Not owned by the institution, but shared with an institution of less than college level.
6. Shared with another institution of college level.

(5) *Year Constructed:*

Report the year the building was completed; report only the terminal three digits; for example, "1959" should be entered as "959". If unknown, enter "Unk."

(6) *Initially Occupied (not age of buildings):*

Report the year the building was first occupied by the institution for its activities or purposes, whether by construction, purchase, gift, lease, or a sharing agreement. Report only the terminal three digits; for example, "1956" should be entered "956." If unknown, enter "Unk."

(7) *Scheduled to be Demolished:* If it has been firmly established that a building will be torn down some time prior to the end of 1979, estimate here the year demolition is likely to begin. Report only the terminal two digits. For example, "1975" should be reported as "75."

(8) *Condition:* "Condition" refers to the condition of the building only on the inventory date; not to the condition of its movable equipment and furniture. Enter the rating number from the descriptive statement below which best describes the condition *of the building.*

1. Satisfactory condition.
2. Needs major rehabilitation.
3. Should be razed, but the need for its space and the lack of funds to build a replacement force continuation of its use.

(9) *Percent Air-Conditioned:* Air conditioning is intended to include such systems as refrigeration cooling, evaporative cooling, and the like which have the effect of creating comfortable temperature in hot weather. Enter the number for the percentage below which represents the portion of the *gross* area that is air-conditioned.

1. None
2. 1-9 percent
3. 10-24 percent
4. 25-49 percent
5. 50-74 percent
6. 75-100 percent

(10) *Building Cost:* Report to the nearest thousand dollars* the plant fund investment for this building, and the cost of any additions and/or major renovations that may have been made, as it is carried on your records. If building cost is unknown make an estimate, mark with an asterisk, and place a note on the reverse of the form that the figure is estimated.

(11) *Estimated Replacement Value of Building:* The value of this building on the inventory date (including the value of connecting utilities and foundations) and its fixed equipment should be reported (to the nearest thousand dollars)* as the estimated replacement value. As a suggestion, this estimate may be arrived at by applying dollar

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* For example, $532,615 is $533,000.

costs per gross square foot for similar current projects. Additionally, the Commission will provide a suggested guide which institutions may find helpful in achieving their estimates.

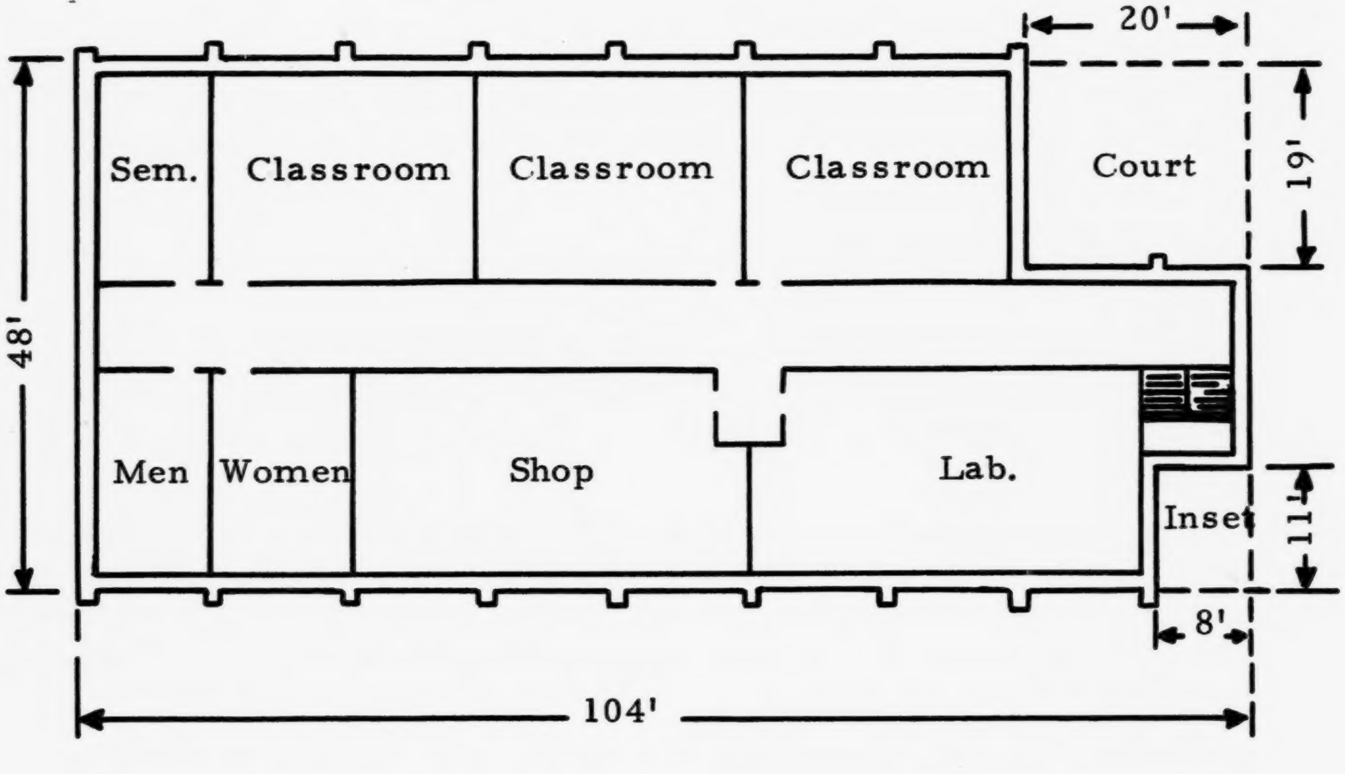
(12) *Fallout Shelter:* Enter the number for the descriptive statement below which best describes the status of this building in the National Shelter Survey as a shelter for protection from fallout of radioactive materials.

1. Building was NOT included in the National Shelter Survey.
2. Building WAS included in the National Shelter Survey, but was NOT licensed as a fallout shelter.
3. Building was LICENSED as a fallout shelter by the National Shelter Survey, but has NOT been stocked with supplies.
4. Building was LICENSED as a fallout shelter in the National Shelter Survey, and is STOCKED with supplies.

(Note: Per the State Civil Defense Agency, all buildings on which construction had been completed prior to October 1, 1967, state-wide, have been included in the National Shelter Survey.)

(13) *Gross Area:* Report the gross area of this building in square feet. The gross area of a building is here defined as the sum of the areas at each floor level included within the principal outside faces of *exterior* walls, neglecting architectural setbacks or projections. (For detailed definition and illustrations, see pp. 30 - 41.)

Illustration: Computing Gross Area



Gross Area = length x width ± insets or offsets (outside dimensions). Therefore:

Gross Area = 48 x 104 - (20 x 19 + 8 x 11) = 4,524 sq. ft.

(14) and (15) SOURCES OF FUNDS (FINANCING) INFORMATION RELATED TO ALL BUILDINGS INITIALLY OCCUPIED AFTER JUNE 30, 1964

(14) *Source Code Number:* Report appropriate code(s) from the list below for the source of funds used for financing the construction or acquisition of this building. Provision is made for reporting as many as three sources and related amounts. *Report only buildings initially occupied after June 30, 1964.*

CODES FOR SOURCE OF FUNDS BY CATEGORY (COL. 14)

Governmental Appropriations	Direct Tax Levy	Revenue Bonds	Other (Cont.)
01. State Government	08. State government	15. College Housing Loan Program (HHFA)	21. Investment of or borrowed from other college funds
02. Local Government	09. Local government		
FEDERAL GOVERNMENT GRANTS	GENERAL OBLIGATION BONDS	16. Other than from HHFA	
03. Title I HEFA, P.L. 88-204	10. State government	OTHER	22. Borrowed from private or commercial sources outside the institution
	11. State authority	17. Pledged student building fees	
04. Title II HEFA, P.L. 88-204	12. Local government		
	13. Institutional	18. Gifts and grants	
05. Public Health Service	14. Title III HEFA loans under P.L. 88-204	19. Current Funds	
06. National Science Foundation		20. Investment of or borrowed from endowment funds	23. Source unknown
07. Other (specify on reverse side of form—NASA, AEC, DOD, etc.)			24. Other (specify on reverse side of form)

(15) *Amount:* Report the amount received from each of the coded sources in column (14). The total for column (15) should coincide with the entry for item (10). If insufficient space exists on the form for these entries, place the additional data on an attached sheet of paper referencing it to the proper Building Number (listed in Column 1).

H. Layout for Key Punch of Building Characteristics Cards

Layout is shown on p. 13.

I. Instructions for Completing the Room-By-Room Facilities Inventory Format (Hard Copy) (See exhibit, p. 15)

1. Enter the information requested in the heading. In the space, *Building Number*, enter the same number as that appearing on the Building Characteristics form. Use no more than four characters (numbers and letters combined). Note from the exhibit that the last of the four spaces in this field is reserved for an "Alpha" (or letter suffix) and that leading zeros (LZ) are required. For example:

Building 5 is entered	0 0 5
Building 5A is entered	0 0 5 A
Building 134 is entered	1 3 4

2. If a building has more than twenty rooms, two or more sheets will be needed. Do not use one sheet for two or more buildings even if each building has only a few rooms. The data for the assignable rooms of a building should appear only on the sheet or sheets carrying that building's number.

3. Since coded entries will be punched on data processing cards, it is important that entries be recorded on the sheet exactly as indicated in the instructions.

4. The numbers in parentheses below refer to the column numbers on the sample form. The sample also acts as an exhibit to exemplify the following instructions:

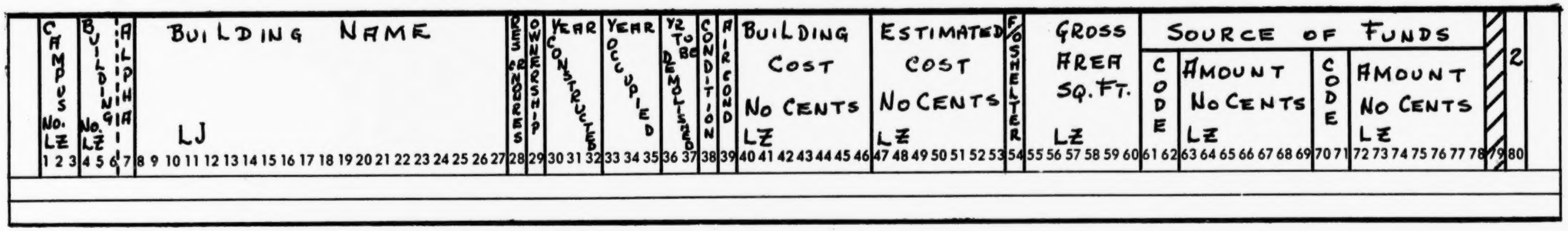
(1) *Room Number:* Enter the room as posted at the entry to the room. If the room is not numbered, supply a non-repetitive number on both the sheet and the floor plan being used to control the inventory process. If a teaching room has two or more doors, each with a number, it is advisable to determine which number is used for class assignment purposes since the same number must be used on the Instructional Space Utilization Survey (See Part III.) Note from the exhibit that the last of the six spaces in this field is reserved for an "Alpha" (or letter suffix). Although allowable, *use of the letter suffix is discouraged* unless required by the existing room numbering system. *Leading zeros (LZ) are required.* For example:

Room 6 is entered	0 0 0 0 6
Room 6A is entered	0 0 0 0 6 A
Room 2263B is entered	0 2 2 6 3 B

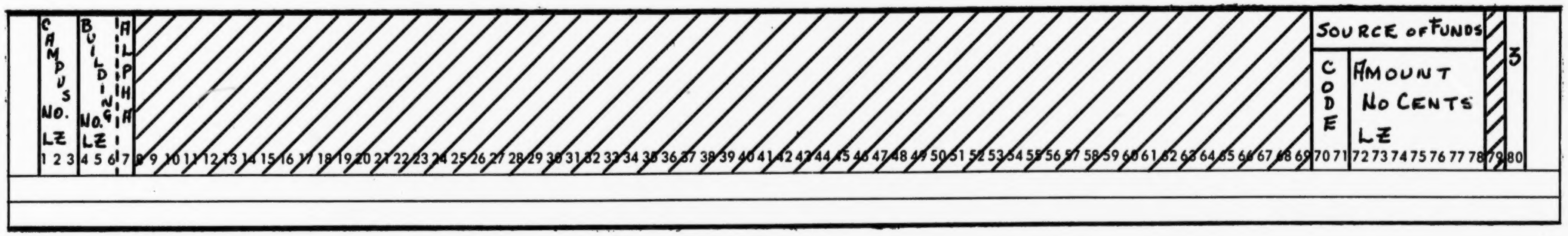
Every room must be identified by a number except in the case of dormitories which may be inventoried by the following procedure if desired. Dormitory space (Room Type Code 911) in a given building may be lumped, rather than recorded on a room-by-room basis, and assigned the room number, 'DORM'. Dormitory storage space is included under Room Type Code 911 and room number, 'DORM'. General storage space (Room Type Code 730) in a given dormitory may be lumped and assigned the room number, 'STOR'. Lounge space (Room Type Code 650) in a given dormitory may be lumped and assigned the room number, 'LOUN'. *Enter leading zeros* before these abbreviations (See exhibit).

CARD LAYOUT FOR KEY PUNCH OF BUILDING CHARACTERISTICS CARDS

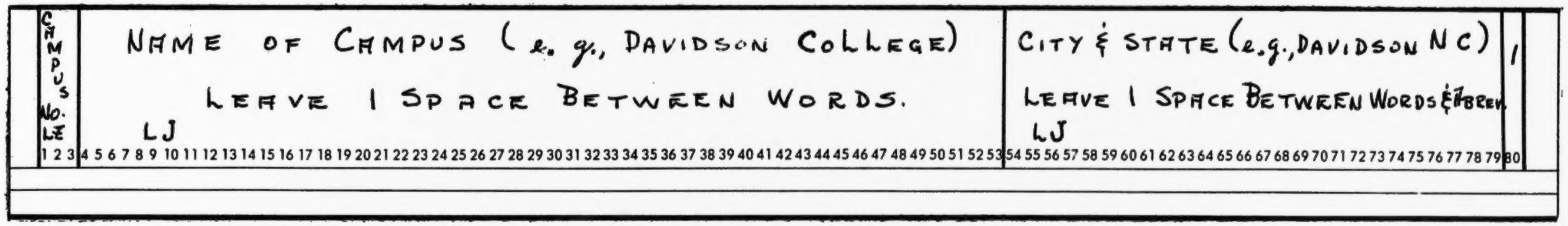
Building Characteristics (Card Layout 1)


CAMPUS No. LZ 1 2 3
BUILDING No. LZ 4 5 6
ALPHA 7
BUILDING NAME LJ 8–27
RES GR NOURES 28
OWNERSHIP 29
YEAR CONSTRUCTED 30 31 32
YEAR OCCUPIED 33 34 35
YR TO BE DEMOLISHED 36 37
CONDITION 38
AIR COND 39
BUILDING COST No CENTS LZ 40–46
ESTIMATED COST No CENTS LZ 47–53
FO SHELTER 54
GROSS AREA SQ. FT. LZ 55–60
SOURCE OF FUNDS
CODE 61 62
AMOUNT No CENTS LZ 63–69
CODE 70 71
AMOUNT No CENTS LZ 72–78
79
2 80

Building Characteristics (Card Layout 2)


CAMPUS No. LZ 1 2 3
BUILDING No. LZ 4 5 6
ALPHA 7
8–69
SOURCE OF FUNDS
CODE 70 71
AMOUNT No CENTS LZ 72–78
79
3 80

Campus Description (Card Layout 3)


CAMPUS No. LZ 1 2 3
NAME OF CAMPUS (e. g., DAVIDSON COLLEGE)
LEAVE 1 SPACE BETWEEN WORDS.
LJ 4–53
CITY & STATE (e.g., DAVIDSON NC)
LEAVE 1 SPACE BETWEEN WORDS & ABBREV.
LJ 54–79
1 80

Legend:

LZ–Leading zeros
LJ–Left justify
CL–Card layout

(2) *Name of (Organizational) Unit:* Enter the institution's own name of the department or administrative unit which occupies the room (e.g., Business Office, Dean of Students, Student Housing, French Department, Agricultural Research, etc.) Place the first three letters of the entry in the three spaces at the left. (Note: If the room represented on the entry line is not readily identifiable with a specific department or administrative unit, institutions may use such general organizational unit labels as "Academic Department" or "General Administration.")

(3) *Institution Code:* If the institution has its own organizational unit code for the department or administrative unit which occupies the room, enter that number in this space.

(4) *Unit Code:* Enter that one code number from the *Standard Classification of Organizational Units* in the Appendix which is most appropriate. Each line must have an entry in this column. Examples follow:

I&R is entered	I&R
GEN is entered	GEN
UNFIN is entered	UNFIN

(5) *Subject Field:* Enter the appropriate subject field code number from the *Standard Classification of Subject Fields* in the Appendix. An entry must appear in this column if the Organization Unit Code (Column 4) is "I&R," "ACT," "RES," or "PUB". There will be *no entry* in this column if the Organizational Unit Code is other than quoted above. (For further clarification of this entry, see Appendix C.) Examples follow:

199C is entered	199C
620ED	620ED

(6) *Type of Room (Name):* Enter the type of room name used by the institution for each room (e.g., faculty office, analytical laboratory, dining room). Place the first three letters of the entry in the three spaces at the left.

(7) *Type of Room Code:* Enter the appropriate type of room code from the *Standard Type of Room Classification* in the Appendix. When in doubt, review the definitions of type of rooms in order to make decisions, or make notes which will allow a decision to be made later. Note from the Appendix that all rooms are identified by "type" with a three-digit code or by a three-digit code plus a letter suffix. The "210" code with letter suffix (e.g., 210B) is for use only by *public colleges and universities, including community colleges and technical institutes.* Private institutions should use the "210" code without suffix to identify all class laboratories. Right justify *all* entries (i.e., leave no blank spaces to the right of the field). Examples follow:

110	110
210B (used with suffix by public insts.)	210B
210 (used without suffix by private insts.)	210

(8) *Stations:* Enter the number of stations (seats; work stations; carrels; and, in residential facilities, bed spaces per the *room's rated capacity*) in classrooms, laboratories of all types, study facilities, assembly facilities, and residential facilities only. *Enter leading zeros.* In the case of dormitories, the *rated dormitory capacity,* rather than a

ROOM BY ROOM FACILITIES INVENTORY

Institution ______________________ Campus ______________

Address ______________________

Building Name ______________ Building No. ______________

Do Not Write in this Space

Line	Room No. (1)	Organizational Unit			Subject Field Code (5)	Type of Room		Stations (8)	Net Area Assignable Sq. Ft. (9)	Research Per Cent (10)
		Name of Unit (2)	Inst. Code (3)	Unit Code (4)		Name (6)	Code (7)			
1	00001	HEALTH & P.E.	1500	I&R	810P	CONFERENCE	350		000175	
2	00001A	HEALTH & P.E.	1500	I&R	810P	OFFICE	310		000168	
1	0DORM	AUXILIARY	5000	AUX		DORMITORY	911	00184	015441	
2	0LOUN	" "	5000	AUX		LOUNGE	650		001225	
3	0STOR	ADMINISTRATION	4000	GEN		GENERAL STORAGE	730		000572	
1	0A126	BUSINESS	1232	I&R	715B	LABORATORY	210G	00018	000466	
2	00236B	HISTORY	2271	INACT		OFFICE	310		000120	
3	0B239A	ACADEMIC	3000	I&R	199C	CLASSROOM	110	00101	001223	
4	00223	MUSIC	1841	I&R	510F	MUSIC ROOM	230	00002	000245	
5	00006	MATHEMATICS	2501	I&R	310M	OFFICE	310		000242	025
1	00005A	NON-INSTITUTIONAL	8000	NON		DINING ROOM	630		001014	
2	00163	PHYSICS	2871	I&R	330P	LABORATORY	25P	00001	000340	100
1	00001	EDUCATION	EDU	I&R	620ED	LABORATORY	210A	00035	000630	
2	00002	ADMINISTRATION	ADM	GEN		OFFICE	310		000223	

Date of Record ____________ Recorded by ____________ Sheet ______ of ______ Sheets for this Building

---

EXPLANATORY NOTES:

1. Hachured lines denote separation of examples applicable to different buildings; however, in accomplishing this form, *make entries for not more than one building on a single sheet.*
2. Right justify entries in Column (7), irrespective of common practice.

physical count of beds, should be recorded in each case as the applicable number of stations for that dormitory. (See exhibit for examples.)

(9) *Net Assignable Area:* For purposes of this inventory, only assignable rooms and spaces are to be reported. However, for the institution's own use, it may be desirable to have a complete inventory of both "assignable area" and "non-assignable area" in order to gain maximum utility from the inventory data.

For each room enter the net assignable square feet to the nearest whole number (computed 785 not 784.7). *Enter leading zeros.*

If the net assignable area is available for any or all rooms it may, of course, be transferred for such rooms to the Room-by-Room Facilities Inventory Sheet. If the net assignable square feet of any room is not available, it may be taken either from "as-built" plans, or by an actual measuring of the room in question.

Definition of "Net Assignable Area", basis for measurement, description, and limitations are given in Appendix C. Techniques for measuring rooms are enumerated in paragraph 7, below.

(10) *Research:* Give to the nearest whole number your best estimate of the percent to which each room is used for research. *Enter leading zeros.* Define research as

> *Any activity the primary objective of which is the discovery or application of knowledge, including the research activities engaged in by students as a part of their graduate training.*

Examples of the types of rooms often wholly allocated to research are non-class laboratories, offices assigned to research personnel, and relatel service facilities. Many rooms are only partly allocated to research as so defined.

Institutions with large scale and complex research programs may desire to report their estimates of square footage devoted to research by some procedure other than the foregoing. In such instance, the institution's inventory coordinator should contact the Inventory Project Supervisor, Higher Education Facilities Commission.

5. Fill in the blanks at the bottom of the sheet.

a. *Date of Record:* Enter here the date when the entries were completed on each sheet.

b. *Recorded By:* Enter here the name of the person recording the data.

c. *Sheet of Sheets:* Fill in as indicated.

6. *Room Measuring Techniques:* To secure dimensions from drawings or by actual room measurements, it is suggested that the procedure outlined below be followed:

a. First determine how much of the room measuring can be completed by using existing floor plans and blue prints. Only those drawings or sections of drawings should be used which are known to reflect actual conditions accurately.

b. Then prepare a scaled, single line, simply prepared, floor plan for all floors for all buildings for which a reliable floor plan or blue print does not already exist. (Note: For technique to use in measuring residential facilities space, see footnote, p. 80.)

c. From the Building Characteristics forms prepared as the first part of the inventory program, take the number and name of every building—Items (1) and (2)—and place them on the corresponding building and floor plans. Take special note of the directions which apply to buildings with additions.

d. Assemble the following items:

1 set of floor plans for every building to be inventoried
Room-by-Room Facilities Inventory Sheets
Instructions
Pencils
50-100′ steel measuring tape

e. Enter the name and address of the institution and its campus on all Room-by-Room Facilities Inventory Sheets that are to be used for the inventory.

f. Assemble a stack of Room-by-Room Facilities Inventory Sheets for each building to be inventoried and enter the name of the building and its number on each sheet to be used for that building.

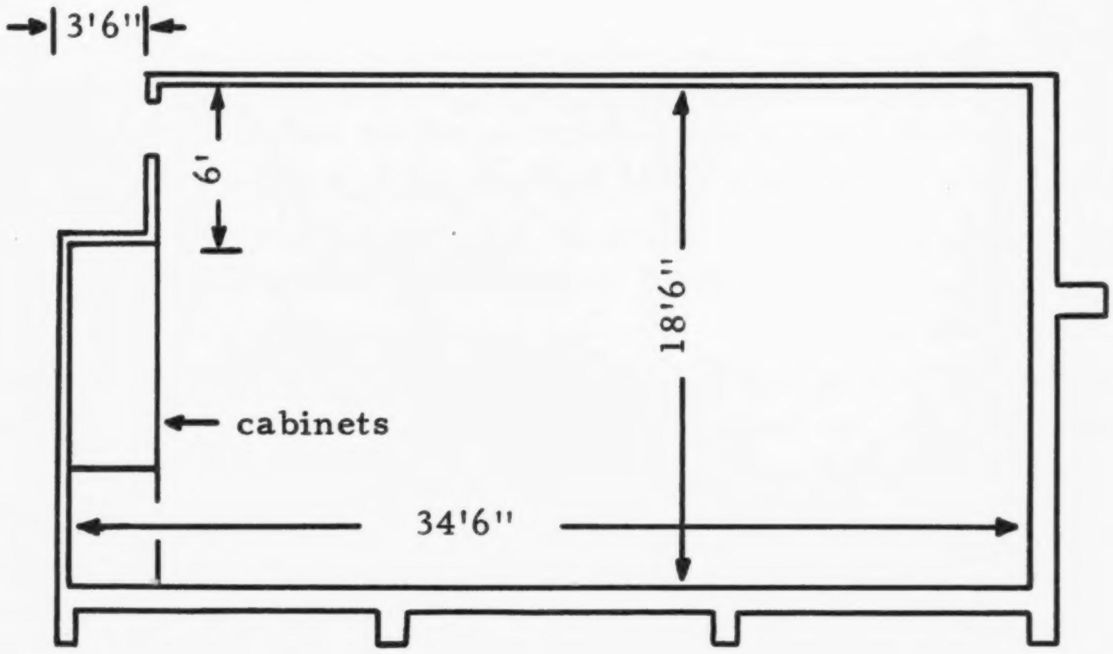
g. The sheets in each stack should then be marked with room numbers of all of the assignable rooms therein, being careful to keep the sheets in numerical order, floor by by floor, building by building.

h. Use reliably scaled and dimensioned floor plans and blue prints to the extent they are available. (See Appendix A for *Basis of Measurement*.) The information requested for each assignable room should be entered in the appropriate place on each sheet insofar as such information is available from the plans or from the accurate knowledge of the recording team.

i. A survey of the site should then be made of all assignable rooms in each building for which measurement data could not be secured from the plans. (A suggested method for measuring on-site is shown in the sketch on p. 18). Two persons with the items listed in #d above should go floor by floor, from the bottom to the top of each building to be inventoried, to secure data on all rooms for which the data were unobtainable from existing floor plans.

j. These two persons should identify each building and analyze it sequentially room by room. The findings should be concurrently entered on both the floor plans and the Room-by-Room Facilities Inventory Sheet. Rooms should be measured and recorded in numerical sequence. One person can hold the free end of the tape against one baseboard, while the second person can read the measurement off the tape while holding the coiled end of the tape against the opposite baseboard. The person with the clipboard records the length and the width both on the floor plans and on the reverse side of the Room-by-Room Facilities Inventory Sheet as soon as they are read out by his team mate. Net assignable square feet can later be calculated and entered in Column (9) of the sheet. (Note: For technique to use in measuring residential facilities space, see footnote, p. 80.)

k. Example of measuring individual rooms:



Net Assignable Area = length x width ± insets or offsets
(inside dimensions)

Net Assignable Area = (34′ 6″ x 18′ 6″) - (6′ 0″ x 3′ 6″) = 617 s.f.

l. When the inventory is finished the institution will have a complete set of floor plans dimensioned and numbered with the same data as appear on the inventory sheets.

m. Alcoves, major offsets, irregularly shaped rooms, etc. often complicate the measuring process. In such cases it may prove helpful to draw a free-hand sketch with necessary measurements on the back of the sheet so that the area can be verified or calculated at a later time.

J. Criteria for Classifying, Defining, and Measuring Building Areas[2]

Definitions and illustrations are contained in Appendix A.

K. Layout for Key Punch of Room Inventory Card

Card layout is shown on p. 19.

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[2] *Ibid.*, pp 17-29. Definitions are based on *Classification of Buildings Areas,* (1964), Publication 1235, National Academy of Sciences, National Research Council.

LAYOUT FOR KEY PUNCH OF ROOM INVENTORY CARD

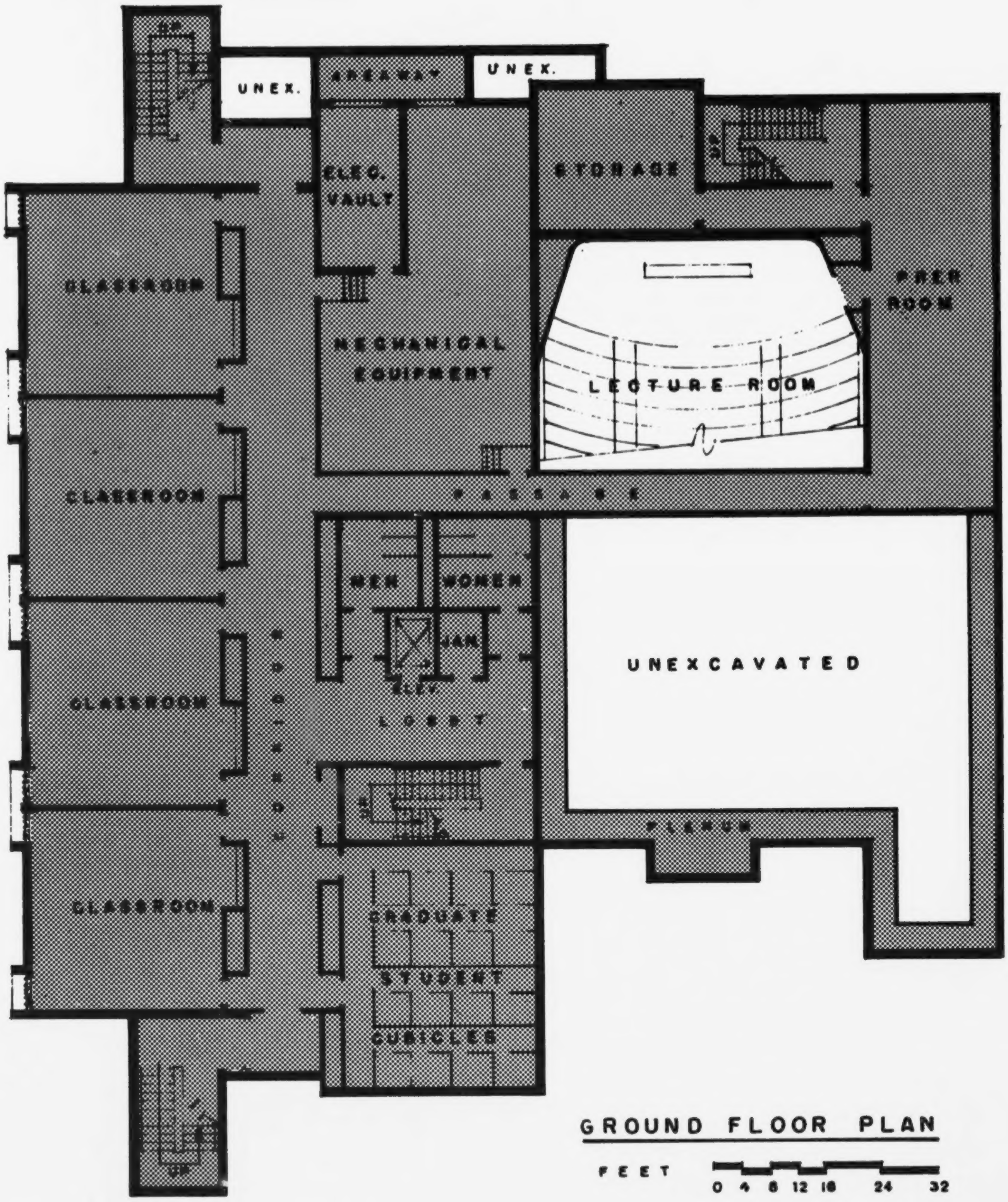
I.D. NUMBER					ORGANIZATIONAL UNIT			SUBJECT	TYPE OF ROOM						
CAMPUS NO.S	BUILDING NO.S	ALPHA	ROOM NO.	ALPHA	NAME OF UNIT	INST. CODE	UNIT CODE	FIELD CODE	NAME	CODE	STATIONS	NET AREA ASSIGN. SQ. FT.	RESCH PER CENT	▨	4
LZ	LZ	A	LZ	A	LJ	RJ	RJ	RJ	LJ	RJ	LZ	LZ	LZ		
1 2 3	4 5 6	7	8 9 10 11 12	13	14 15 16	17 18 19 20 21	22 23 24 25 26	27 28 29 30 31	32 33 34	35 36 37 38	39 40 41 42 43	44 45 46 47 48 49	50 51 52	53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79	80

Legend:
- LZ–Leading zeros
- RJ–Right justify
- LJ–Left justify
- Alpha–letter suffix

Note:

Right justify entries in card columns 35-38 irrespective of common practice.

L. Classifications and Definitions of Building Areas


UP
UNEX.
AREAWAY
UNEX.
ELEC. VAULT
STORAGE
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CLASSROOM
MECHANICAL EQUIPMENT
PREP ROOM
LECTURE ROOM
CLASSROOM
PASSAGE
MEN
WOMEN
JAN
ELEV
LOBBY
CORRIDOR
CLASSROOM
UNEXCAVATED
UP
PLENUM
CLASSROOM
GRADUATE STUDENT CUBICLES
UP
GROUND FLOOR PLAN
FEET
0 4 8 12 16 24 32

1. Gross Area
   a. Definition

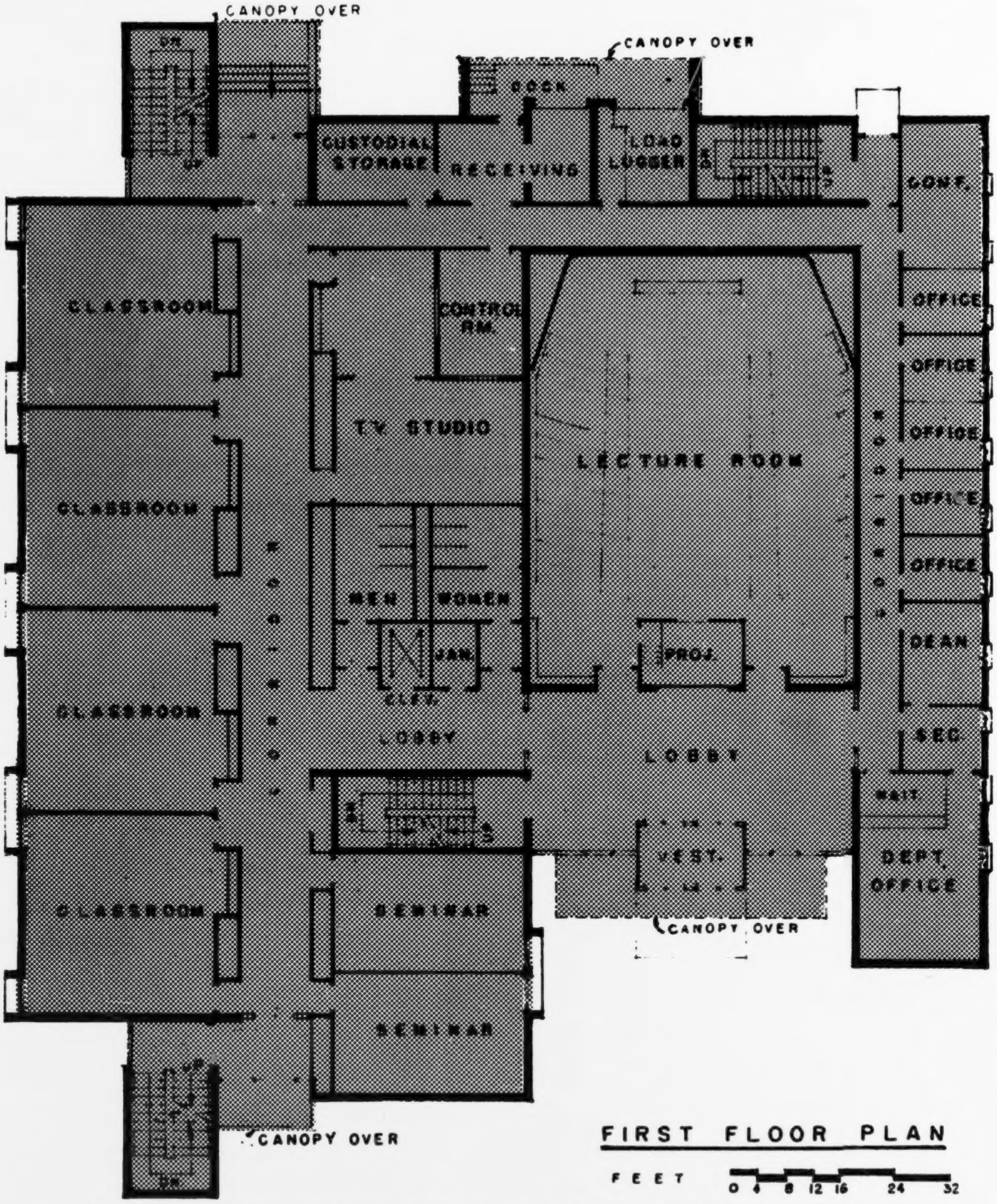
   "Gross Area" should be construed to mean the sum of the floor areas included within the outside faces of exterior walls for all stories, or areas, which have floor surfaces.

   b. Basis for Measurement

   Gross area should be computed by measuring from the outside face of exterior walls, disregarding cornices, pilasters, buttresses, etc., which extend beyond the wall face.

   c. Description

   In addition to ground - to top - story internal floored spaces obviously covered in "a" above, gross area should include basements (except unexcavated portions), attics, garages,


CANOPY OVER
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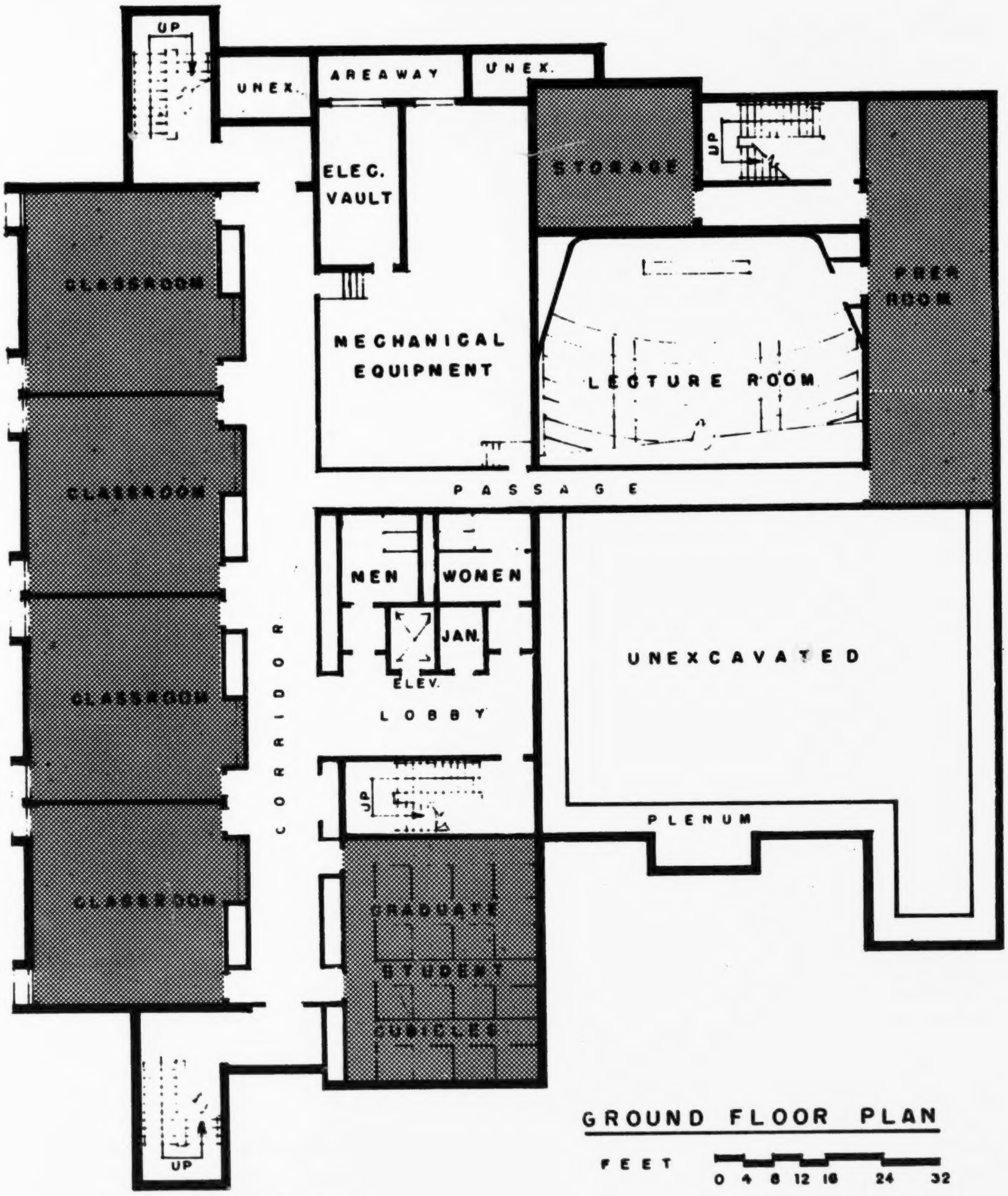
FEET
0 4 8 12 16 24 32

FIRST FLOOR PLAN

enclosed porches, penthouses and mechanical equipment floors, lobbies, mezzanines, all balconies--inside or outside--utilized for operational functions, and corridors, provided they are within the outside face lines of the building. Roofed loading or shipping platforms should be included whether within or outside the exterior face lines of the building.

d. Limitations

Open courts and light wells, or portions of upper floors eliminated by rooms or lobbies which rise above single-floor ceiling height, should not be included in the gross area, nor should unenclosed roofed-over areas or floored surfaces with less than 6 ft. 6 in. clear head-room be included unless they can properly be designated and used as either net assignable, mechanical, circulation, or custodial area.



GROUND FLOOR PLAN

UP
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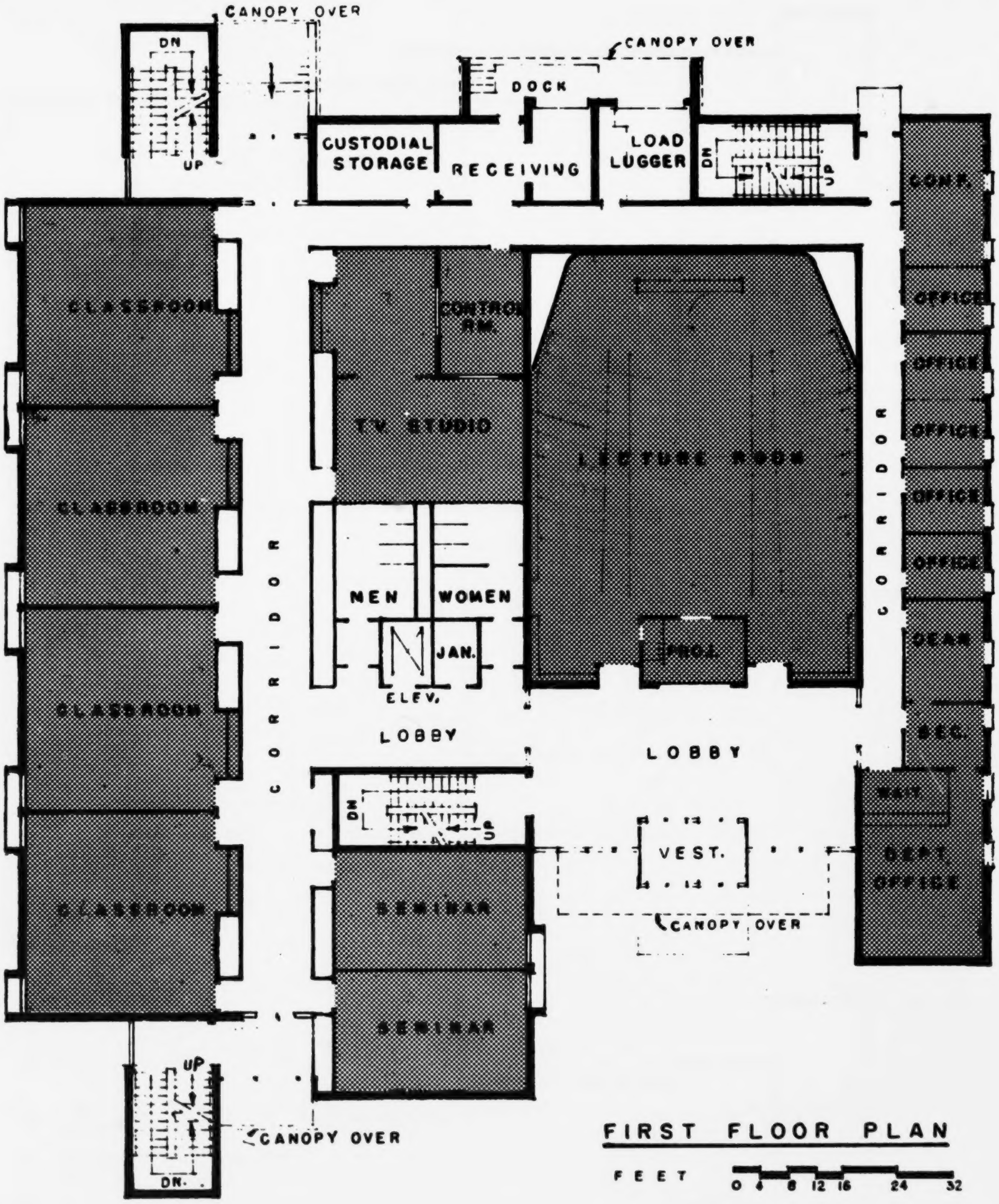
2. Net Assignable Area
   a. Definition

"Net Assignable Area" should be construed to mean the sum of all areas on all floors of a building assigned to, or available for assignment to, an occupant, including every type of space functionally usable by an occupant (excepting those spaces elsewhere separately defined in area classifications 3, 4, and 5.

b. Basis for Measurement

All net assignable areas should be computed by measuring from the inside finish of permanent outer building walls, to the office side of corridors and/or to permanent partitions.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FIRST FLOOR PLAN
FEET
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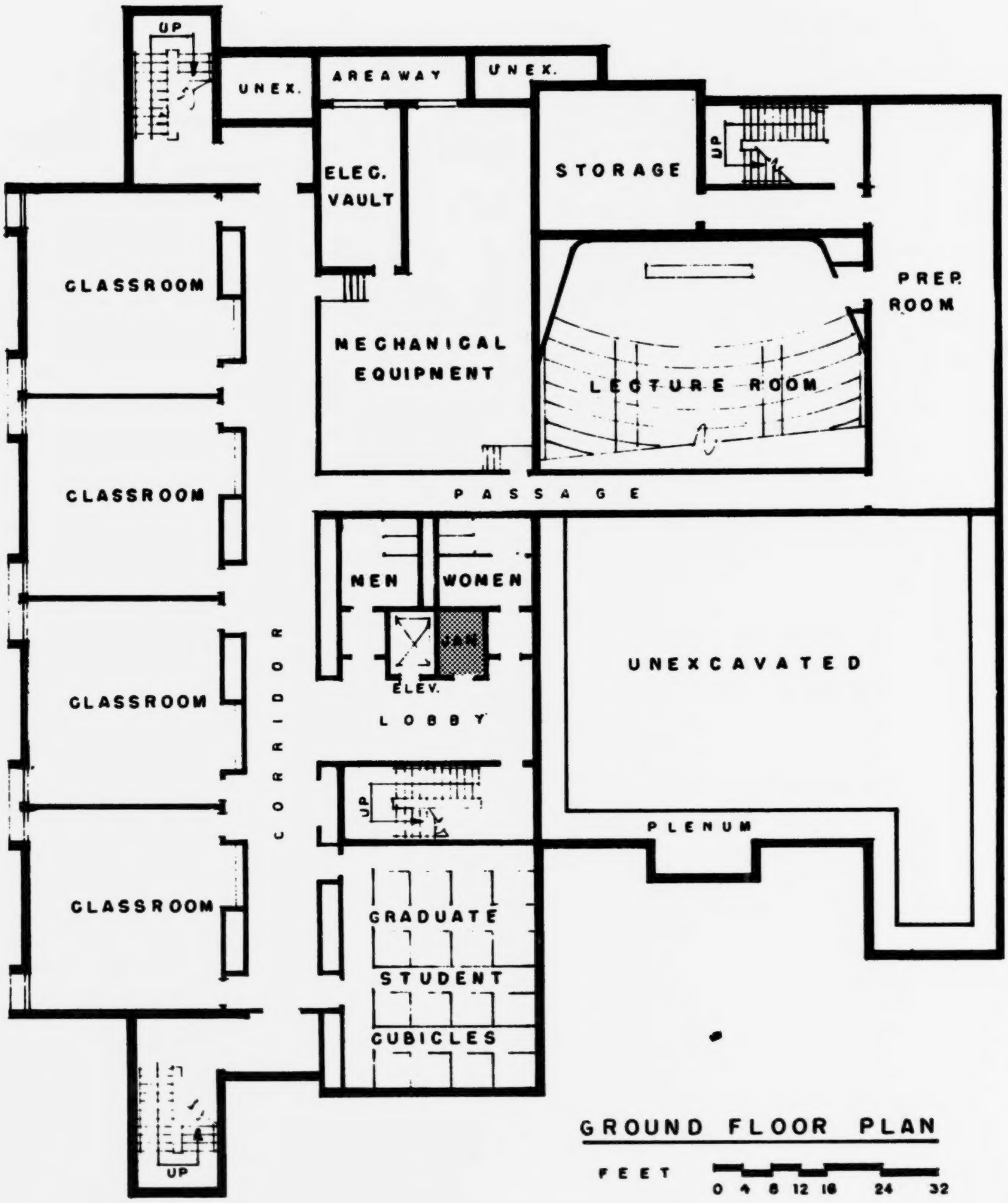
c. Description

Included should be space subdivisions for offices, classrooms, laboratories, seminar and conference rooms, libraries, file rooms, storage rooms, etc., including those for special purposes (e.g., auditoriums, cafeterias, TV studios, faculty and student locker and shower rooms, maintenance and research shops, garages), which can be put to useful purposes in accomplishment of the institution's mission.

d. Limitations

Deductions should not be made for columns and projections necessary to the building.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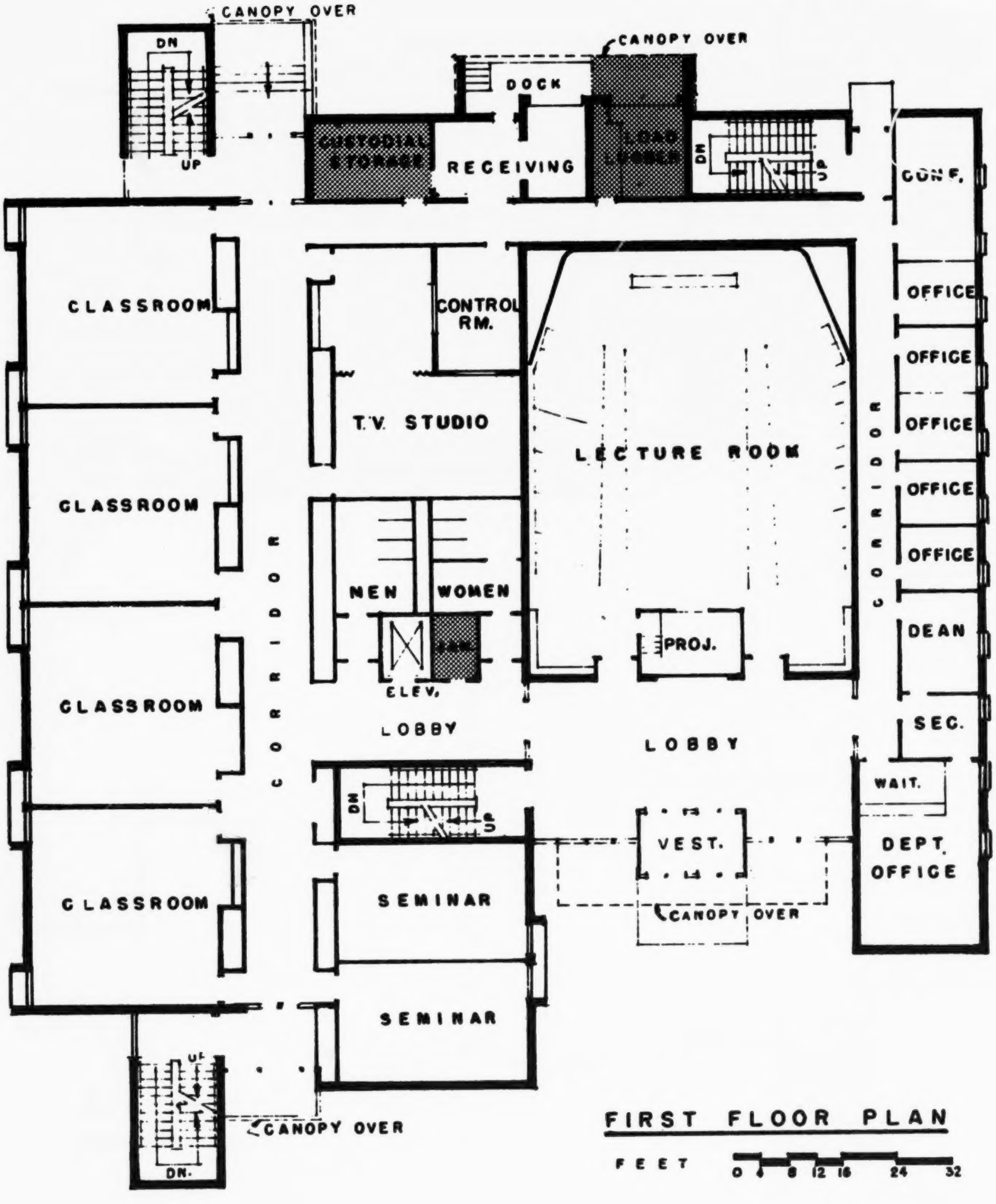
GROUND FLOOR PLAN

3. Custodial Area
   a. Definition

"Custodial Area" should be construed to mean the sum of all areas on all floors of a building used for building protection, care, maintenance, and operation.

b. Basis for Measurement

These areas should be measured from the inside surfaces of enclosing walls.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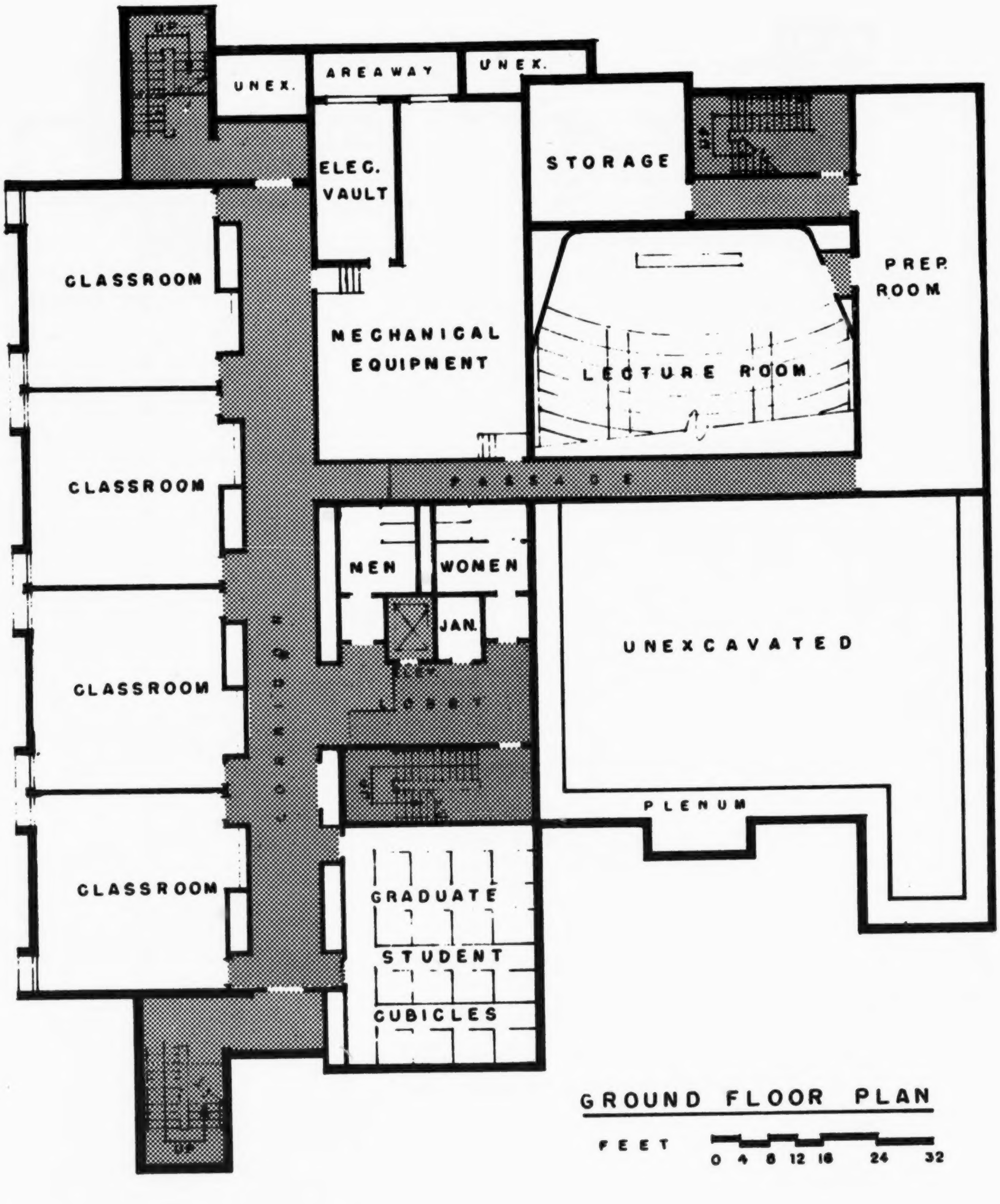
FIRST FLOOR PLAN

c. Description

Included should be such areas as custodial, locker rooms, janitors' closets, maintenance storerooms.

d. Limitations

Deductions should not be made for columns and projections necessary to the building.



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GRADUATE STUDENT CUBICLES
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FEET
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GROUND FLOOR PLAN

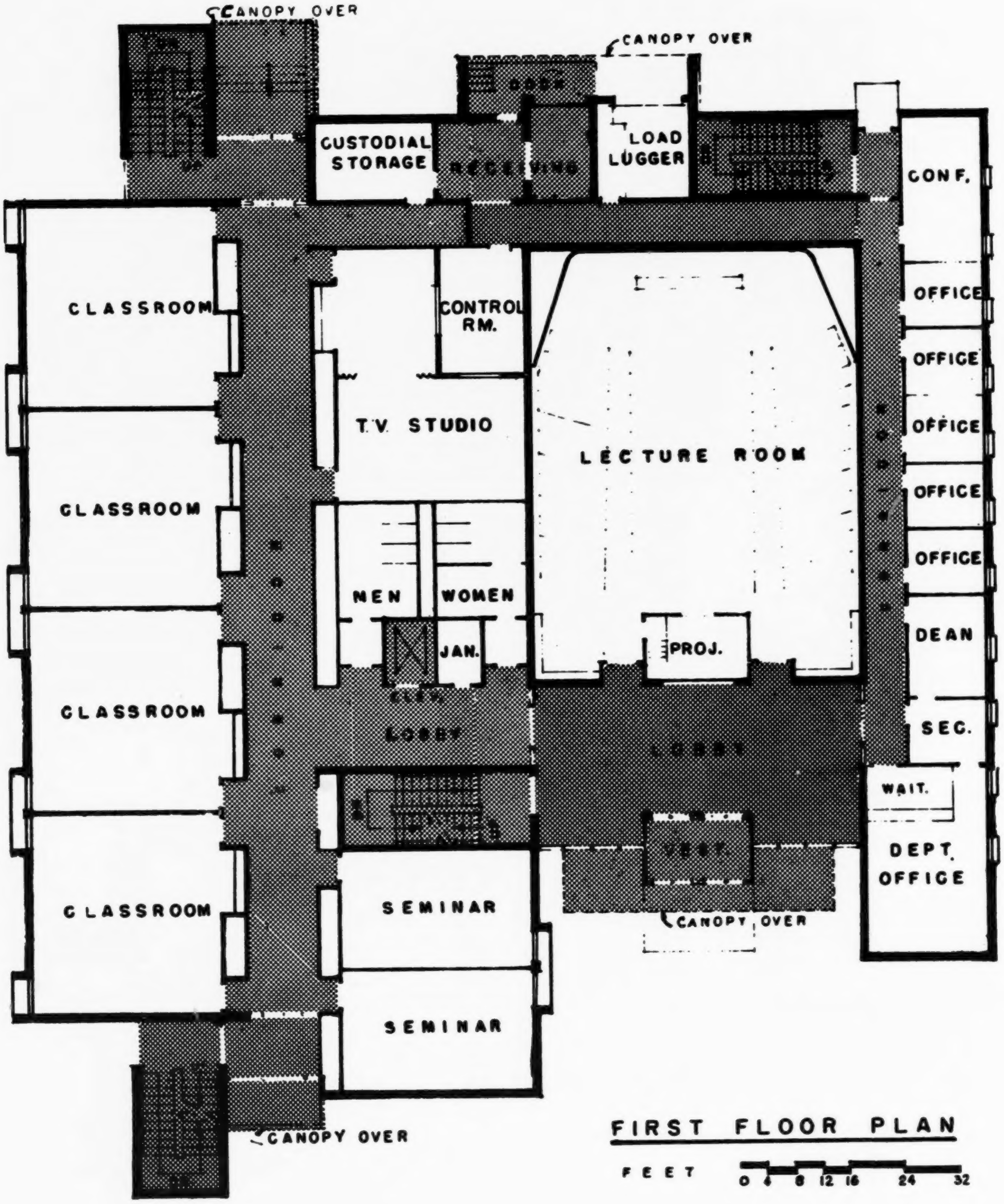
4. Circulation Area

a. Definition

"Circulation Area" should be construed to mean that portion of the gross area--whether or not enclosed by partitions--which is required for physical access to some subdivision of space.

b. Basis for Measurement

Circulation area should be computed by measuring from the inner faces of the walls or partitions which enclose horizontal spaces used for such purposes; or, when such spaces are not enclosed by walls or partitions, measurements should be taken from imaginary lines which conform as nearly as possible to the established circulation pattern of the building.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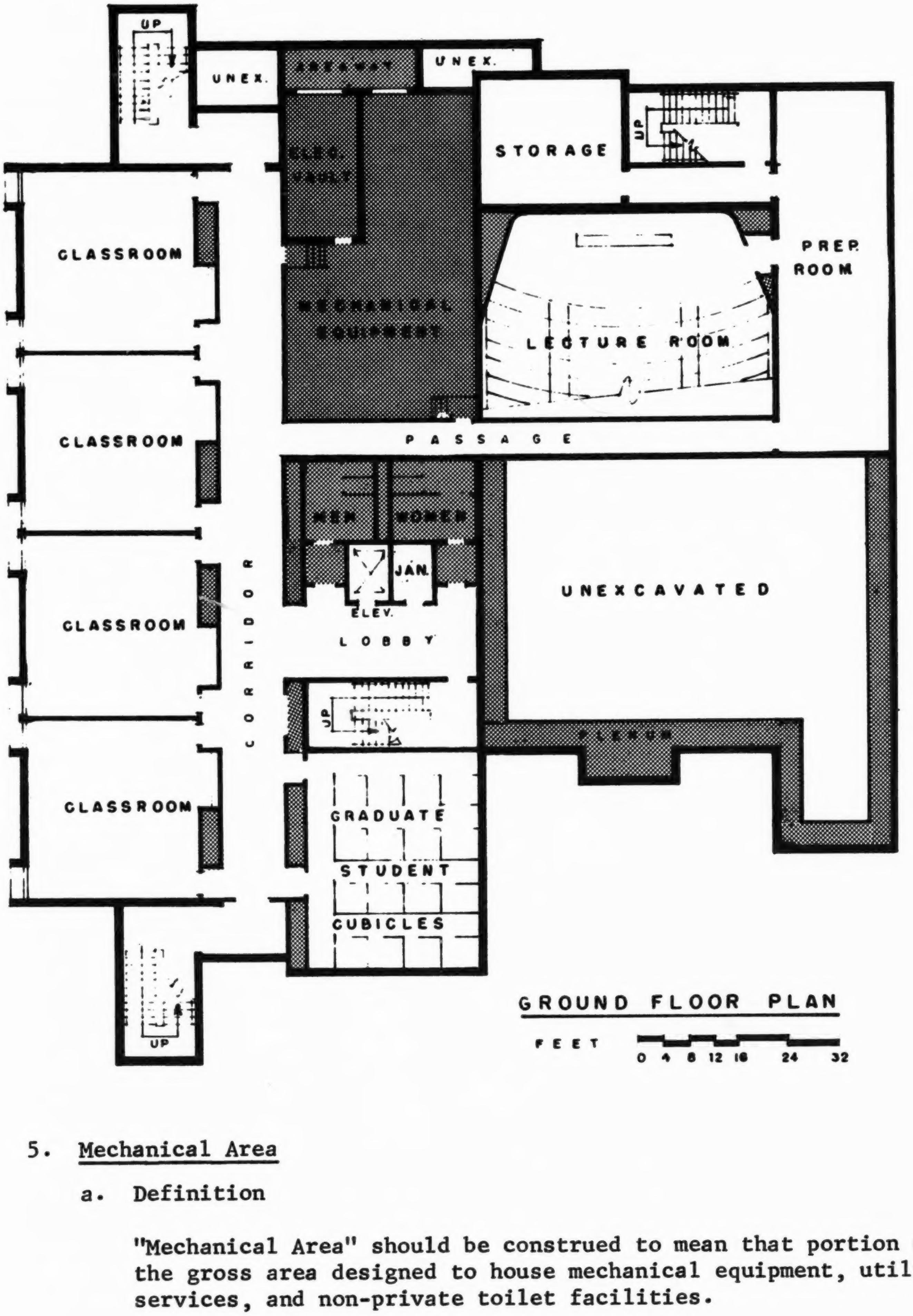
c. **Description**

Circulation areas should include, but not be limited to: corridors (access, public, service, also "phantom" for large unpartitioned areas); elevator shafts; escalators; fire towers or stairs; stairs and stair halls; loading platforms (except when required for operational reasons and, thus, includable in net assignable area); lobbies (elevator, entrance, public, also public vestibules); tunnels and bridges (not mechanical).

d. **Limitations**

When assuming corridor areas, only horizontal spaces required for general access should be included--not aisles which are normally used only for circulation within offices or other working areas. Deductions should not be made for columns and projections necessary to the building.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CLASSROOM
GRADUATE STUDENT CUBICLES
UP
GROUND FLOOR PLAN
FEET
0 4 8 12 16 24 32

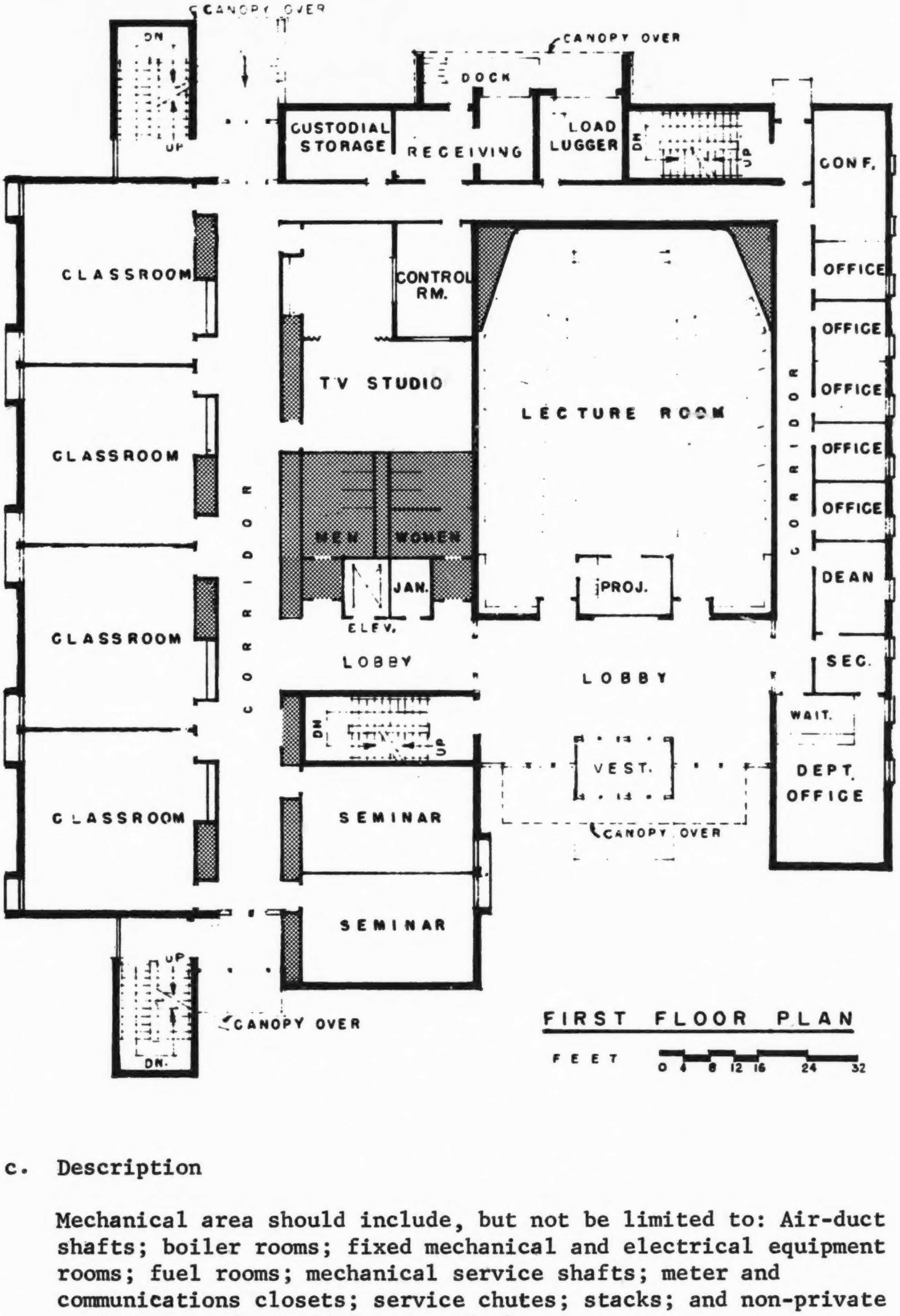
5. Mechanical Area

a. Definition

"Mechanical Area" should be construed to mean that portion of the gross area designed to house mechanical equipment, utility services, and non-private toilet facilities.

b. Basis for Measurement

Mechanical area should be computed by measuring from the inner faces of the walls, partitions, or screens which enclose such areas.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CANOPY OVER
SEMINAR
UP
CANOPY OVER
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FEET
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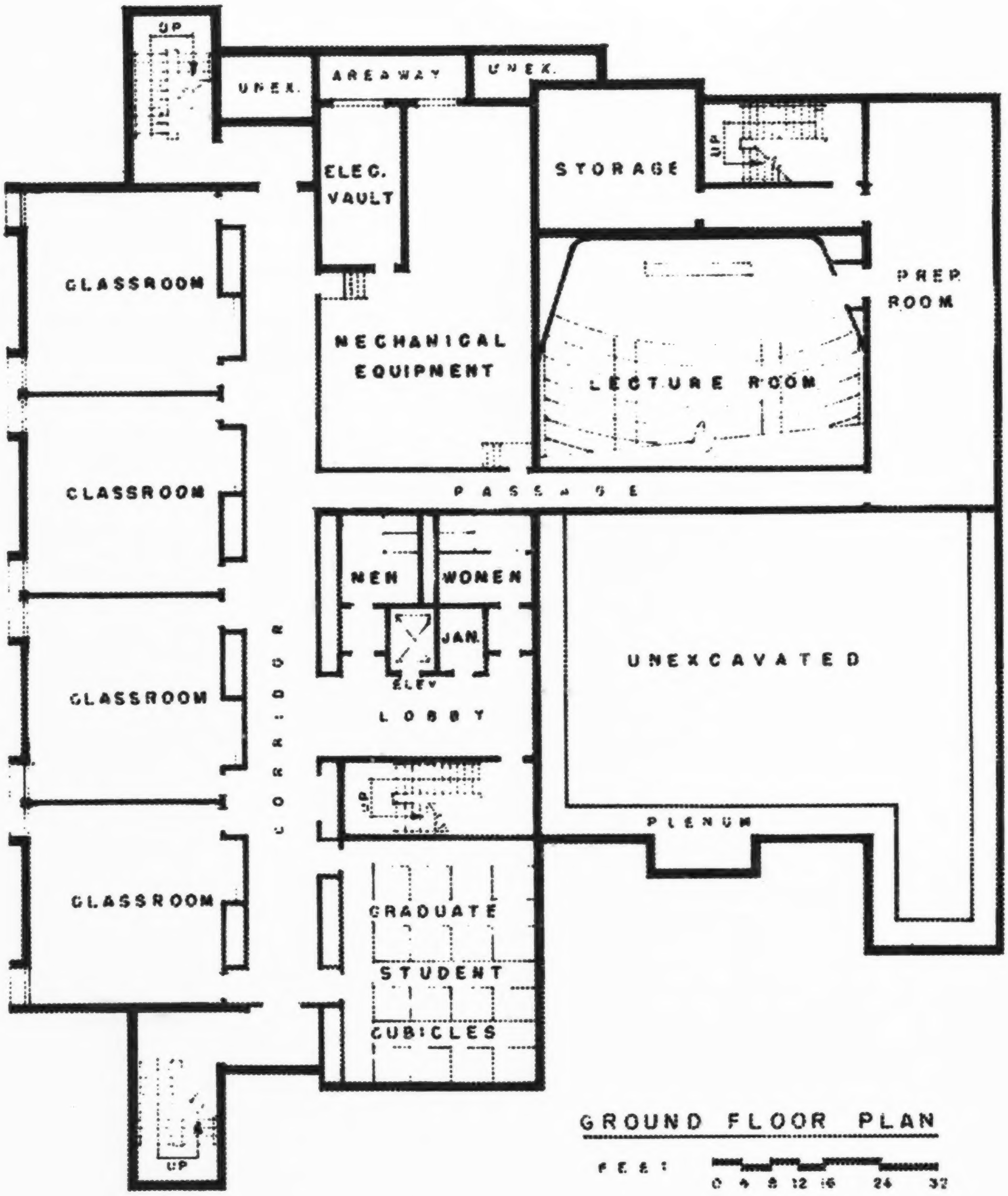
FIRST FLOOR PLAN

c. Description

Mechanical area should include, but not be limited to: Air-duct shafts; boiler rooms; fixed mechanical and electrical equipment rooms; fuel rooms; mechanical service shafts; meter and communications closets; service chutes; stacks; and non-private toilet rooms (custodial and public).

d. Limitations

Deductions should not be made for columns and projections necessary to the building.


UP
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WOMEN
JAN.
ELEV
LOBBY
CORRIDOR
UNEXCAVATED
CLASSROOM
PLENUM
CLASSROOM
GRADUATE STUDENT CUBICLES
UP
GROUND FLOOR PLAN
FEET
0 4 8 12 16 24 32

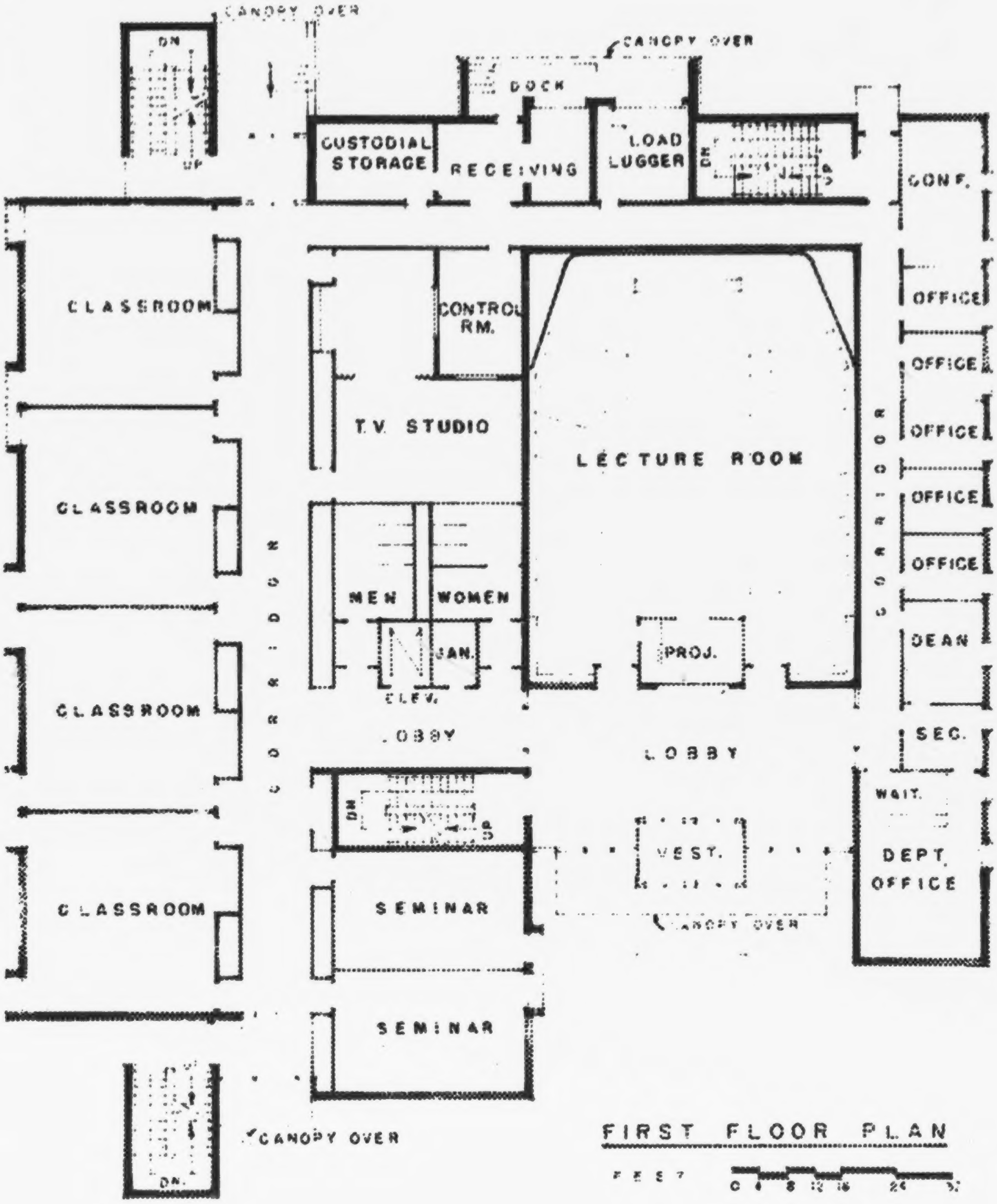
6. Construction Area

a. Definition

"Construction Area" should be construed to mean that portion of the gross area which cannot be put to use because of the presence of structural features of the building.

b. Basis for Measurement

Precise computation of construction area is not contemplated under these definitions--some construction features are included in the computation of other areas. However, total construction area should generally be determined by assuming it to be the residual area after the net assignable, circulation, custodial, and mechanical areas have been subtracted from the gross area.


CANOPY OVER
CANOPY OVER
DN
UP
DOCK
CUSTODIAL STORAGE
RECEIVING
LOAD LUGGER
DN
UP
CONF.
CLASSROOM
CONTROL RM.
OFFICE
OFFICE
T.V. STUDIO
OFFICE
LECTURE ROOM
CLASSROOM
OFFICE
OFFICE
CORRIDOR
CORRIDOR
MEN
WOMEN
JAN.
PROJ.
DEAN
ELEV.
CLASSROOM
LOBBY
LOBBY
SEC.
WAIT.
DN
UP
VEST.
DEPT. OFFICE
CLASSROOM
SEMINAR
CANOPY OVER
SEMINAR
UP
DN.
CANOPY OVER
FIRST FLOOR PLAN
FEET
0 4 8 12 16 24 32

c. Description

Examples of areas normally classified as construction area are exterior walls, fire walls, permanent partitions, and unusable areas in attics, basements, or comparable portions of the building.

d. Computation of Construction Area

Gross Area	34,578	Square Feet	100.0%
Net Assignable	15,596		45.1
Circulation	10,385		30.0
Custodial	577		1.7
Mechanical	4,186		12.0
Construction	3,834	Square Feet	11.2%

Appendix D

Codes, Terms, And Definitions Used In Facilities Inventory

ORGANIZATIONAL UNITS—CODES, TERMS, DEFINITIONS

(Code) (Term)

I & R *DEPARTMENTS OF INSTRUCTION AND RESEARCH*

Departments ordinarily identified within the terms, "Instruction and Departmental Research" and "Organized Research." Includes separately budgeted research which is organizationally part of an instruction-and-research department, irrespective of the sources of funds or other budgetary distinctions. (See also Category RES)

ACT *ORGANIZED ACTIVITY UNITS (RELATED TO INSTRUCTION AND RESEARCH)*

Demonstration and practice schools for education departments; demonstration and practice homes for home-economics departments; teaching hospitals for medical schools; any other organizationally separate and physically identifiable units which are functionally related to department of instruction and research, and/or to organized research units.

RES *ORGANIZED RESEARCH UNITS*

Research institutes, laboratories, museums, etc., which are organizationally separate and physically identifiable, irrespective of the sources of funds. This category does *not* include research projects which are organizationally part of, and physically indistinguishable from, the other research activities in a department of instruction and research.

PUB *PUBLIC SERVICE UNITS*

Extension, i.e., adult or continuing education, including agricultural extension, engineering extension, etc.; also any other organizationally separate public-service unit with the primary objective of making available to the general public the benefits of the instructional and/or research activities of an institution of higher education, including activities of a cultural nature, e.g., dramatic and/or musical performances.

NOTE: Each organizational unit in the above categories is to be classified and independently coded in accordance with the classification of subject fields. The following categories of organizational units are *not* to be classified in terms of subject fields.

LIB *LIBRARY*

Main library and branches thereof, or equivalent, including subject-field libraries administered by the main library or otherwise professionally staffed, including law libraries and medical libraries, but *not* informal "departmental libraries" which are organizationally part of any units in Categories I&R, ACT, RES, or PUB.

GEN *GENERAL ADMINISTRATION AND INSTITUTIONAL SERVICES*

Any institutional unit the primary objective of which is the orderly planning and operation of the instructional, research, and/or public-service activities of the institution in terms of academic affairs, fiscal affairs, personnel, student affairs, public relations, development, etc. (Note: This category is intended to include the institutional units ordinarily represented by the budget categories of General Administration, General Services, and Physical Plant.)

AUX *AUXILIARY SERVICES*

Institutional units which are characteristically represented by the types of physical facilities classified as General-Use Facilities (room-type codes in the 600-series) and/or Residential Facilities (room-type codes in the 900-series), except to the extent that those units support specific instructional, research, and/or public-service units. Includes inter-collegiate athletics if organizationally separate and physically distinguishable from physical education, irrespective of budgetary classification in the institution's own records.

NON *NON-INSTITUTIONAL AGENCIES*

Public or private agencies which are not under the direct supervision or control of the institutional administration, irrespective of the degree of association with, or relationship to, any institutional units.

UNA *UNASSIGNED*

Facilities which are not assigned to, or are not available to, any institutional unit (or non-institutional agency) at the time of the facilities inventory. The overall code UNA is intended only for captions and subtotals in tabulated reports; itemized data should be coded in terms of the most appropriate of the following categories only:

INACT INACTIVE: Rooms or other assignable floor areas which are available for assignment, but which are unassigned at the time of the facilities inventory.

ALT ALTERATION OR CONVERSION: Rooms or other assignable floor areas which are temporarily out of use because they are under alteration or conversion (or rehabilitation) at the time of the facilities inventory.

UNFIN UNFINISHED: Rooms or other assignable floor areas in new buildings, or in new additions to existing buildings, which are unfinished at the time of the facilities inventory.

SUBJECT FIELDS—SUMMARY OF CODES AND TERMS

100	*GENERAL OR UNCLASSIFIED FIELDS*
110G	GENERAL
120U	UNCLASSIFIED
199C	(CLASSROOM FACILITIES)
200	*LIFE SCIENCES*
210B	BIOLOGICAL SCIENCES
220A	AGRICULTURAL SCIENCES
230H	HEALTH SCIENCES
231M	MEDICINE
232V	VETERINARY MEDICINE
233D	DENTISTRY
234N	NURSING
235PH	PHARMACY
236PU	PUBLIC HEALTH
239HS	OTHER HEALTH SCIENCES
299G	GENERAL LIFE SCIENCES
300	*M.C.P.E. SCIENCES*
310M	MATHEMATICAL SCIENCES
320C	COMPUTER SCIENCES
330P	PHYSICAL SCIENCES
340E	ENGINEERING SCIENCES
399G	GENERAL M.C.P.E. SCIENCES
400	*BEHAVORIAL SCIENCES*
410P	PSYCHOLOGY
420S	SOCIAL SCIENCES
499G	GENERAL BEHAVIORAL SCIENCES
500	*HUMANITIES*
510F	FINE ARTS
520L	LETTERS
599G	GENERAL HUMANITIES
600	*PROFESSIONS*
610A	ADMINISTRATIVE PROFESSIONS
620ED	EDUCATION
630EN	ENVIRONMENTAL DESIGN
640H	HOME ECONOMICS
650L	LAW
660S	SOCIAL WORK
670T	THEOLOGY
690P	OTHER PROFESSIONS
699G	GENERAL PROFESSIONS
700	*TECHNICAL-VOCATIONAL FIELDS*
705AG	AGRICULTURAL TECHNOLOGIES
710AP	APPAREL DESIGN OR FABRICATION
715B	BUSINESS TECHNOLOGIES
720C	CONSTRUCTION TECHNOLOGY

725E	ENGINEERING & INDUSTRIAL TECH.
730G	GRAPHIC ARTS TECHNOLOGIES
735H	HEALTH TECHNOLOGIES
750P	PUBLIC SERVICE TECHNOLOGIES
760T	TRANSPORTATION TECHNOLOGIES
790TV	OTHER TECHNICAL-VOCATIONAL
799G	GENERAL TECHNICAL-VOCATIONAL FIELDS

800 *PHYSICAL EDUCATION & MIL. SCIENCE*

810P	PHYSICAL EDUCATION
820M	MILITARY SCIENCES

SUBJECT FIELDS—CODES, TERMS, DEFINITIONS

The three digits of the code number identifies the subject-field category. The broad categories coded in multiples of 100 are intended only for captions and subtotals in tabulated reports. The letter suffix is for verification purposes and should be included in all cases.

The same three digit and letter code of subject field categories is used in classifying each of the first four organizational unit categories (I & R, ACT, RES, and PUB); the other organizational units are not classified by subject fields.

For departments or other organizational units (Column 4 entry, Room-by-Room Inventory) with subject fields sufficiently precise for specific identification in this system, use the appropriate subject-field code beginning with 210B and ending 820M, excluding those codes with 9 as the last digit. For departments or other organizational units with subject fields too broad for specific identification, the most appropriate code with 9 as the last digit will be used, except that units significantly representing two or more subject fields here coded in multiples of 100 should be coded 110G.

The subject-field code 199C is reserved for rooms classified as classroom facilities (Room-type codes 110 and 115). The subject field coding of all such rooms should be 199C irrespective of any departmental assignment indicated in the institution's own records, so that these rooms (classrooms and classroom service only) will be consistently excluded from the subject-field data of all institutions. Thus these facilities can be readily tabulated for analysis on a campus-by-campus basis. (Note: The subject field of all other rooms for departments of instruction and research should be coded 110G if no more specific coding is appropriate.)

The code 120U is for use only in those exceptional cases where no other code is considered applicable.

100 *GENERAL OR UNCLASSIFIED SUBJECT FIELDS*

110G GENERAL: Identifiable but broader than any category below—e.g., dean of arts and sciences.

120U UNCLASSIFIED: Not identifiable in any other category. This category should be avoided except as a last resort.

199C (CLASSROOM FACILITIES: Room-Type Codes 110 & 115 Only)

200 *LIFE SCIENCES*

210B BIOLOGICAL SCIENCES: Animal sciences, plant sciences, biochemistry, biophysics, microbiology, etc., if not in an agricultural college or school, nor in a medical center, college, or school. (See also 220A and 230H.)

220A AGRICULTURAL SCIENCES: As above but in an agricultural college or school, including forestry but excluding agricultural economics, agricultural education, agricultural engineering, home economics, and veterinary medicine. (See also 232V, 340E, 420S, 620ED, 640H, and 705AG.)

230H HEALTH SCIENCES: (Professional level; see also 735H.)

231M MEDICINE: All basic medical sciences and clinical specialties
232V VETERINARY MEDICINE
233D DENTISTRY
234N NURSING
235PH PHARMACY
236PU PUBLIC HEALTH
239HS OTHER HEALTH SCIENCES: Osteopathy, podiatry, etc.

299G GENERAL LIFE SCIENCES

300 *M.C.P.E. SCIENCES (Mathematical, Computer, Physical, and Engineering)*

310M MATHEMATICAL SCIENCES: Excludes computing science if organizationally separate.

320C COMPUTER SCIENCES: Includes information and computing sciences.

330P PHYSICAL SCIENCES: Astronomy, including astrophysics, cosmology, radio astronomy, etc.; chemistry; environmental sciences, including atmospheric physics, earth sciences, meteorology, oceanography, paleontology, vulcanology, etc.; physics; etc.

340E ENGINEERING SCIENCES: Aeronautical, astronautical, agricultural, architectural, ceramic, chemical, civil, construction, electrical, electronic, general, geological, geophysical, industrial, materials, mechanical, metallurgical, physical metallurgy, mineral mining, mining geology, nuclear, petroleum, petroleum refining, sanitary, textile, transportation, and welding engineering, engineering mechanics, physics, and science; naval architecture and marine engineering; etc. (See also 725E.)

399G GENERAL M.C.P.E. SCIENCES

400 *BEHAVIORAL SCIENCES*

410P PSYCHOLOGY

420S SOCIAL SCIENCES: Anthropology and archaeology; economics, including agricultural economics; geography, including physical geography; history, including history of science, technology, etc.; political science and government; sociology; etc., including area studies, i.e., inter-disciplinary studies of geographically defined areas.

499G GENERAL BEHAVIORAL SCIENCES

500 *HUMANITIES*

510F FINE ARTS: Art; drama, including cinematography, radio and television, and theater arts; music, including both musicology and performance; other fine arts, including dance. (See also 730G.)

520L LETTERS: English language and literature; foreign languages and literature; folklore, linguistics, philology, etc.; philosophy; religion, e.g., comparative religion (but see also 670T); speech if not primarily dramatic arts; journalism if not a professional school (see also 690P).

599G GENERAL HUMANITIES

600 *PROFESSIONS* (Professional schools not included above.)

610A ADMINISTRATIVE PROFESSIONS: Business administration, institutional administration, public administration, including hospital administration; public administration; etc. (See also 715B.)

620ED EDUCATION: Includes agricultural education, business education, etc.

630EN ENVIRONMENTAL DESIGN: Architecture, landscape architecture, urban and regional planning, etc.

640H HOME ECONOMICS: Includes departments which are not in a professional school; includes departments of agricultural colleges.

650L LAW

660S SOCIAL WORK

670T THEOLOGY: Includes *all* instructional departments of divinity schools, so that data will be consistent with statutory exclusions from Federal-aid programs such as the Higher Education Facilities Act of 1963 and subsequent related legislation.

690P OTHER PROFESSIONS: Criminology, journalism, library science, mortuary science, museum curatorship, etc.

699G GENERAL PROFESSIONS

700 *TECHNICAL-VOCATIONAL FIELDS*

705AG AGRICULTURAL TECHNOLOGIES

710AP	APPAREL DESIGN OR FABRICATION TECHNOLOGIES
715B	BUSINESS TECHNOLOGIES: Accounting, advertising, cosmetology, data processing, hotel, motel, and restaurant operation, insurance, physical distribution, retailing, sales, secretarial, and other business technologies.
720C	CONSTRUCTION TECHNOLOGIES: Air conditioning and heating, cabinet making, carpentry, construction electricity, forest products, sheet metal, etc.
725E	ENGINEERING AND INDUSTRIAL TECHNOLOGIES: Architectural, chemical, civil, drafting and design, electrical, electronic, industrial, mechanical, and other engineering and industrial technologies.
730G	GRAPHIC ARTS TECHNOLOGIES: Commercial art and advertising design, photography, printing, technical illustration, and other graphic-arts technologies.
735H	HEALTH TECHNOLOGIES: Clinical laboratory technician, dental auxiliary (dental assistant, dental hygienist, dental technologists, etc.), food-service supervisor, inhalation therapist, vocational nurse, psychiatric aide, ward manager, x-ray technologist, etc.
750P	PUBLIC SERVICE TECHNOLOGIES: Fire protection, law enforcement, library assistant, teaching aide, urban-planning assistant, etc.
760T	TRANSPORTATION TECHNOLOGIES: Automotive, aviation, heavy truck, and other transportation technologies.
790TV	OTHER TECHNICAL-VOCATIONAL FIELDS
799G	GENERAL TECHNICAL-VOCATIONAL FIELDS

800 *PHYSICAL EDUCATION AND MILITARY SCIENCES*

810P	PHYSICAL EDUCATION: Includes health and recreation education as in "HPER" departments. Includes intramural athletic programs administered by the physical-education department, but excludes intercollegiate athletics if organizationally separate.
820M	MILITARY SCIENCES: Air and Aerospace R.O.T.C., Army R.O.T.C., Navy R.O.T.C., and the equivalent.

TYPE OF ROOM—SUMMARY OF CODES AND TERMS

100 CLASSROOM FACILITIES

110 Classroom
115 Classroom Service

200 LABORATORY FACILITIES

210 Class Laboratory (Public institutions should not use this classification or code; see footnote.)
  *210A Class Laboratory, Other than Those Below
  *210B Scientific and Engineering Laboratory
  *210C Language and Speech Laboratory
  *210D Home Economics Laboratory
  *210E Photographic, Graphic Arts, and Audio-Visual Laboratory
  *210G Business Machines Laboratory
  *210H Industrial-Oriented Laboratory
  *210J Art Laboratory
  *210K Drafting Laboratory
  *210L Observation or Listening Room/Laboratory
  *210M Kindergarten and Child Care Laboratory
  *210N Broadcasting (Radio and TV) Studio/Laboratory
  *210P Agricultural Facility/Laboratory
  *210R Greenhouse/Laboratory
  *210S Rehearsal Hall/Laboratory

215 Class Laboratory Service

220 Special Class Laboratory
225 Special Class Laboratory Service

230 Individual Study Laboratory
235 Individual Study Laboratory Service

250 Non-Class Laboratory
255 Non-Class Laboratory Service

300 OFFICE FACILITIES

310 Office
315 Office Service

350 Conference Room
355 Conference Room Service

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* Applicable to public institutions only.

400 STUDY FACILITIES

410 Study Rooms

420 Stack

430 Open-Stack Reading Rooms

440 Library Processing Rooms

455 Study Facilities Service

500 SPECIAL-USE FACILITIES

510 Armory Facilities
515 Armory Facilities Service

520 Athletic-Physical Education Facilities
523 Athletic Facilities Spectator Seating
525 Athletic-Physical Education Facilities Service

530 Audio-Visual, Radio, TV Facilities
535 Audio-Visual, Radio, TV Facilities Service

540 Clinic Facilities (Non-Medical)
545 Clinic Facilities Service (Non-Medical)

550 Demonstration Facilities
555 Demonstration Facilities Service

560 Field-Service Facilities

590 Other Special-Use Facilities
595 Other Special-Use Facilities Service

600 GENERAL-USE FACILITIES

610 Assembly Facilities
615 Assembly Facilities Service

620 Exhibition Facilities
625 Exhibition Facilities Service

630 Food Facilities
635 Food Facilities Service

640 Health Facilities (Student)
645 Health Facilities Service (Student)

650 Lounge Facilities
655 Lounge Facilities Service

660 Merchandising Facilities
665 Merchandising Facilities Service

670 Recreation Facilities
675 Recreation Facilities Service

690 Other General-Use Facilities
695 Other General-Use Facilities Service

700 SUPPORTING FACILITIES

710 Data Processing-Computer Facilities
715 Data Processing-Computer Facilities Service

720 Shop Facilities
725 Shop Facilities Service

730 Storage Facilities
735 Storage Facilities Service

740 Vehicle Storage
745 Vehicle Storage Service

750 Central Food Stores

760 Central Laundry

790 Other Supporting Facilities
795 Other Supporting Facilities Service

800 MEDICAL CARE FACILITIES

810 Human Hospital-Clinic Facilities
815 Human Hospital-Clinic Facilities Service

820 Human Hospital-Patient Care Facilities
825 Human Hospital-Patient Care Facilities Service

840 Dental Clinic Facilities
845 Dental Clinic Facilities Service

850 Veterinary Hospital-Clinic Facilities
855 Veterinary Hospital-Clinic Facilities Service

860 Veterinary Hospital-Animal Care Facilities
865 Veterinary Hospital-Animal Care Facilities Service

900 RESIDENTIAL FACILITIES

910 Residence for Single Persons (*Do not use 910 Code;* for Recap only.)

911 Dormitory

912 Food Service in Residence Halls

920 One-Family Dwelling

930 Multiple Family Dwelling

TYPE OF ROOM—CODES, TERMS, AND DEFINITIONS

100 CLASSROOM FACILITIES

110 Classroom

Definition: A room used by classes which do not require special-purpose equipment for student use.

Description: Included in this category are rooms generally referred to as *lecture rooms, lecture-demonstration rooms, seminar rooms,* and *general purpose classrooms.* A *Classroom* may be equipped with tablet arm chairs (fixed to the floor, joined together in groups, or flexible in arrangement), tables and chairs (as in a seminar room), or similar types of seating. A *Classroom* may be furnished with special equipment appropriate to a specific area of study if this equipment does not render the room unsuitable for use by classes in other areas of study.

Limitations: This category does NOT include *conference rooms, auditoriums,* or *class laboratories.* Conference rooms are distinguished from seminar rooms on the basis of primary use; a room with tables and chairs which is used primarily for meetings (as opposed to classes) is a Conference Room. Auditoriums are distinguished from lecture rooms on the basis of primary use; a large room (with seating oriented toward some focal point) which is used for dramatic or musical productions, or for general meetings is an *Assembly Facility* (i.e., an auditorium normally used for other than scheduled classes). *Class Laboratories* are distinguished from classrooms on the basis of equipment in the room and by its limited use; a room with specialized equipment such as laboratory benches, typewriters, desk calculators, drafting tables, musical equipment, (instructional) shop equipment, etc., which is used for instructional purposes is a *Class Laboratory.*

115 Classroom Service

Definition: A room which directly serves a *Classroom* as an extension of the activities of the *Classroom.*

Description: Included in this category are *projection rooms, cloak rooms, preparation rooms, closets,* and *storage* if they serve a classroom.

Limitations: This category does NOT include *projection rooms, cloak rooms, preparation rooms, closets,* and *storage,* if such rooms serve laboratories, conference rooms, assembly facilities, etc. A projection booth in an auditorium is classified as *Assembly Facilities Service.*

200 LABORATORY FACILITIES

210 Class Laboratory (Public institutions should not use this classification or code; see footnote, next page.)

Definition: A room used by regularly scheduled classes which require special-purpose equipment for student participation, experimentation, observation, or practice in a field of study.

Description: A *Class Laboratory* is designed and/or furnished with specialized equipment to serve the needs of a particular area of study for group instruction *in regularly scheduled classes.* The design and/or equipment in such a room normally precludes its use for other areas of study. Included in this category are rooms generally referred to as *teaching laboratories, instructional shops, typing laboratories, drafting rooms, band rooms, choral rooms, (group) music practice rooms, language laboratories, (group) studios,* and similar specially designed and/or equipped rooms IF they are used primarily for group instruction in regularly scheduled classes.

Limitations: This category does NOT include laboratory rooms which serve as individual (or independent) study rooms (see 230 and 410). It does NOT include laboratories used for group instruction which are informally or irregularly scheduled (see 220). This category does NOT include rooms generally referred to as research laboratories (see 250). It does NOT include *gymnasiums, pools, drill halls, laboratory schools, teaching clinics, demonstration houses,* and similar facilities which are included under SPECIAL-USE FACILITIES.

*210A Class Laboratory, Other Than Those Below

Description and Limitations: As for 210 above, but excluding other room types in the 210 series--a catch-all category.

*210B Scientific and Engineering Laboratory

Description and Limitations: Along with other types of scientific and engineering laboratories, this category includes rooms equipped with *computer and computer-related facilities if such areas are used primarily for instructional purposes.* It does not include instruction facilities equipped with calculators, business machines, and like business-related types which are included under BUSINESS MACHINES. (If the purpose of the facility is other than instruction, see Code 710, under SUPPORTING FACILITIES.)

*210C Language and Speech Laboratory

Description and Limitations: None

*210D Home Economics Laboratory

Limitations: This category does NOT include home management houses or home economics residences which are included under DEMONSTRATION FACILITIES.

*210E Photographic, Graphic Arts, and Audio-Visual Laboratory

Description and Limitations: None

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* Applicable to public institutions only.

***210G Business Machines Laboratory**

Description and Limitations: This category includes instructional facilities *equipped with calculators, typewriters, and like business-related machines.* It does NOT include computer and computer-related facilities which are included under SCIENTIFIC AND ENGINEERING.

***210H Industrial-oriented Laboratory**

Description and Limitations: Included in this category are such rooms as *ceramics, furniture-making, textiles, etc., laboratories* where students receive instruction in the trade or vocational aspects of this type subject. Included also are *industrial shops such as welding and electrical repair* where industry or trade related equipment is used for instructional purposes. NOT included are mechanical, electrical, aeronautical, etc., engineering laboratories which are included under SCIENTIFIC AND ENGINEERING.

***210J Art Laboratory**

Description: Rooms designed and/or equipped for art studies such as sculpture and painting.

***210K Drafting Laboratory**

Description: Rooms equipped with architectural, engineering, and/or mechanical drawing tables and appurtenances.

***210L Observation or Listening Room/Laboratory**

Description: This category includes such rooms as those used by supervised groups of students for observing or listening to *human or animal behavior.*

Limitations: This category does NOT include rooms for individual student observation or listening; this type is included under INDIVIDUAL STUDY LABORATORY. It does not include rooms for informally (or irregularly) scheduled classes; this type is included in SPECIAL CLASS LABORATORY.

***210M Kindergarten and Child Care Laboratory**

Description and Limitations: None

***210N Broadcasting (Radio and TV) Studio/Laboratory**

Limitations: This category does NOT include such studios except where used primarily for regularly scheduled classes.

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* Applicable to public institutions only.

*210P Agricultural Facility/Laboratory

Limitations: Included in this category are *covered areas only;* NOT open fields. It does NOT include barns or similar structures for animal shelter or the handling, storage, and/or protection of farm products, supplies, or tools; this type is included under FIELD-SERVICE FACILITIES. It does not include green houses which are included under either GREENHOUSE/LABORATORY or FIELD SERVICE FACILITIES.

*210R Greenhouse/Laboratory

Limitations: This category does NOT include greenhouses related to farm operations; this type is included under FIELD-SERVICE FACILITIES.

*210S Rehearsal Hall/Laboratory

Description and Limitations: This category includes rooms generally referred to as *band rooms, choral rooms,* and *(group) music practice rooms.* It does NOT include such rooms if used for informally (or irregularly) scheduled classes; this type is included under SPECIAL CLASS LABORATORY.

215 Class Laboratory Service

Definition: A room which directly serves a *Class Laboratory* as an extension of the activities of the class laboratory.

Description: Included in this category are *balance rooms, cold rooms, stock rooms, dark rooms, equipment issue rooms, animal rooms, greenhouses,* and similar facilities which serve a Class Laboratory.

Limitations: This category does NOT include *balance rooms, cold rooms, stock rooms, dark rooms, animal rooms, greenhouses,* etc., which serve a Non-Class Laboratory.

220 Special Class Laboratory

Definition: A room used by informally (or irregularly) scheduled classes which require special purpose equipment for student participation, experimentation, observation, or practice in a field of study.

Description: A Special Class Laboratory is designed and/or furnished with specialized equipment to serve the needs of a particular area of study for group instruction *in informally (or irregularly)* scheduled classes. The design and/or equipment in such a room normally precludes its use for other areas of study. *Special Class Laboratories* typically (but not necessarily or exclusively) include such rooms as *language laboratories, (group) music practice rooms, (group) studios,* etc.

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* Applicable to public institutions only.

Limitations: This category does NOT include *Class Laboratories* (210), individual study rooms (230 and 410), nor research laboratories (250). It does NOT include *gymnasiums, pools, drill halls, laboratory schools, teaching clinics, demonstration houses,* and similar facilities which are included under SPECIAL-USE FACILITIES.

225 Special Class Laboratory Service

Definition: A room which directly serves a *Special Class Laboratory* as an extension of the activities in such a facility.

Description: Included in this category are rooms which serve *Special Class Laboratories.*

Limitations: This category does NOT include rooms which serve Class Laboratories, Individual Study Laboratories, or Non-Class Laboratories.

230 Individual Study Laboratory

Definition: A room especially equipped and/or designed for individual student experimentation, observation, or practice in a particular field of study.

Description: Included in this category are *music practice rooms, individual study laboratories,* and similar rooms which serve a particular subject-matter area. Stations may be grouped (as in an individual study laboratory) or individualized (as in a music practice room).

Limitations: This category does NOT include individual study facilities which are intended for general study purposes. Study facilities not related to a specific area of study are classified as *Study Rooms* (410).

235 Individual Study Laboratory Service

Definition: A room which directly serves an *Individual Study Laboratory* as an extension of the activities in such a facility.

Description: Included in this category are rooms which serve *Individual Study Laboratories.*

Limitations: This category does NOT include rooms which serve Class Laboratories, Special Class Laboratories, Non-Class Laboratories, or Study Facilities Service.

250 Non-Class Laboratory

Definition: A room used for laboratory applications, research and/or training in research methodology which requires special-purpose equipment for staff and/or student experimentation or observation.

Description: Included in this category are rooms generally referred to as *research laboratories* and *research laboratory-office.*

Limitations: This category does NOT include rooms generally referred to as *teaching laboratories*; see Class Laboratory, Special Class Laboratory, and Individual Study Laboratory, above.

255 Non-Class Laboratory Service

Definition: A room which directly serves a *Non-Class Laboratory* as an extension of the activities of the Non-Class Laboratory.

Description: Included in this category are *balance rooms, cold rooms, stock rooms, dark rooms, animal rooms, greenhouses,* etc., which serve a Non-Class Laboratory.

Limitations: This category does NOT include *balance rooms, cold rooms, stock rooms, dark rooms, animal rooms, greenhouses,* etc., which serve a Class Laboratory, a Special Class Laboratory, or an Individual Study Laboratory.

300 OFFICE FACILITIES

310 Office

Definition: A room used by faculty, staff, or students working at a desk (or table).

Description: Included in this category are rooms generally referred to as *faculty offices, administrative offices, clerical offices, graduate assistant offices, teaching assistant offices, student offices,* etc. Also included in this category is a *Studio* (music, art, etc.) if such a room serves as an office for a staff member. (A *Studio* intended to serve a group of students is classified as Class Laboratory.) An Office typically is equipped with one or more desks, chairs, tables, bookcases, and/or filing cabinets.

Limitations: This category does NOT include rooms which are equipped both as office and "research laboratory." A room equipped with laboratory benches, specialized scientific equipment, and/or such utilities as gas, water, steam, air, etc., is classified as a Non-Class Laboratory. Note that this distinction rests on equipment rather than function. It is recommended that those rooms which have office type equipment and fixed laboratory type equipment (primarily in the biological and physical sciences) within the same room be classified within the Non-Class Laboratory category. Large rooms, such as *glass shops, printing shops, reading rooms, research laboratories,* etc., which have a desk space for a technician or staff member are classified according to the primary purpose of the room rather than Office.

315 Office Service

Definition: A room which directly serves an Office (or group of offices as an extension of the activities in an Office (or group of offices).

Description: Included in this category are *file rooms, mimeograph rooms, vaults, waiting rooms, interview rooms, closets, private toilets, records rooms,* and *office supply rooms. Centralized mimeograph and printing shops* which are campus-wide in scope should be classified as Shop Facilities.

Limitations: This category does NOT include *centralized mimeograph and printing shops.*

350 Conference Room

Definition: A room used by non-class groups for meetings.

Description: A Conference Room may be equipped with tables and chairs, lounge-type furniture, straight-back chairs, and/or tablet arm chairs. It typically (but not necessarily) is assigned to a department for its use. It is distinguished from such Classroom Facilities as *seminar rooms, lecture rooms,* and *general classrooms* because it is used primarily for activities other than (scheduled) classes.

Limitations: This category does NOT include *classrooms, seminar rooms, lecture rooms, auditoriums, interview rooms,* or *lounges.*

355 Conference Room Service

Definition: A room which directly serves a Conference Room as an extension of the activities of the Conference Room.

Description: Included in this category are such rooms as *kitchenettes, chair storage rooms, projection rooms, sound equipment rooms,* etc.

Limitations: This category does NOT include *kitchens, dining rooms,* and similar facilities in a centralized conference-type building. (*Dining rooms* open to the student body at large and/or the public are categorized as Food Service Facilities.)

400 STUDY FACILITIES

410 Study Room

Definition: A room used to study books or audio-visual materials on an individual basis.

Description: Included in this category are rooms generally referred to as *library reading rooms, carrels, study rooms, individual study stations, study booths,* and similar rooms which are intended for general study purposes. Study stations may be grouped (as in a library reading room) or individualized (as in a carrel). Study stations in a Study Room may include typewriters, remote terminals of a computer, electronic display equipment, etc. (See also 430.)

Limitations: This category does NOT include *Individual Study Laboratories.* An *Individual Study Laboratory* is limited in use to a particular area of study, while a *Study Room* is intended for general study (or a broad area of study). This category does NOT include *Classrooms, Class Laboratories, Special Class Laboratories, Non-Class Laboratories, Offices, combined sleeping-study rooms in residence halls or other housing units, waiting rooms, or lounges.*

420 Stack

Definition: A room (or portion of a room) used to provide shelves for books or audio-visual materials used by staff and/or students on an individual basis.

Description: Included in this category are rooms generally referred to as *library stacks.* (See also 430.)

Limitations: This category does NOT include *book-shelf space in Classrooms, Laboratories, or Offices. Audio-visual film and tape libraries* which generally serve groups (rather than individuals) are classified as AV-Radio-TV Facilities. *Separate tape storage rooms* for *language laboratories* should be classified as Laboratory Service. *Separate rooms* containing *musical scores, records,* and *tapes* are classified as Stack if the primary purpose of the materials is for instruction or research (as in a Library or Music Building). Rooms containing such materials and intended for listening enjoyment (as in a Student Union) should be classified as Recreation Facilities Service. Stacks serving Non-Class Laboratories should be classified as Non-Class Laboratory Service.

430 Open-Stack Reading Room

Definition: A room which is a combination of *Study Room* and *Stack,* generally without physical boundaries between the stack areas and the study areas.

Description: Included in this category are rooms generally referred to as *open-stack reading rooms.*

Limitations: See limitations defined under *Study Room* (410) and *Stack* (420).

440 Library Processing Rooms

Definition: A room which serves a *Study Room, Stack,* or *Open-Stack Reading Room* as supporting service to such rooms.

Description: Included in this category are rooms generally referred to as *card catalog, circulation desk, bookbinding, microfilm processing,* and *audio-visual record-playback* equipment for distribution to individual study stations.

Limitations: This category does NOT include such library spaces as: *offices* for staff (which are classified as *Offices*); *acquisitions work areas* (which are classified as *Offices*); campus-wide or centralized *audio-visual preparation areas, bookbinding,* and *microfilm processing areas* (which are classified as *Shops*); *instructional facilities* for Library Science staff (which are classified as *Classrooms, Class Laboratories, Special Class Laboratories, Offices,* or other appropriate designations.

455 Study Facilities Service

Definition: A room which directly serves a *Study Room, Stack, Open-Stack Reading Room,* or *Library Processing Room* as a direct extension of the activities in such rooms.

Description: Other categories in these TYPE OF ROOM DEFINITIONS have provided a "service" category for each type of room. Because such facilities are minimal in library-type spaces this one category of Study Facilities Service is provided for all types of STUDY FACILITIES. Included are such areas as *closets, locker space, coatrooms,* etc.

Limitations: This category does NOT include *card catalogs, circulation desks,* and other areas designated under *Library Processing Rooms* (440).

500 SPECIAL-USE FACILITIES

510 Armory Facilities

Definition: A room (or area) used by ROTC units.

Description: This category includes *indoor drill areas, rifle ranges, and special-purpose military science rooms.*

Limitations: Classrooms, Class Laboratories, and Offices in an Armory are designated as Classrooms, Class Laboratories, and Offices.

515 Armory Facilities Service

Definition: A room which directly serves an Armory Facility as an extension of the activities of such a facility.

Description: This category includes *supply rooms, weapons rooms,* etc.

Limitations: Classroom Service, Class Laboratory Service, and Office Service rooms are so classified even though they are located in an Armory.

520 Athletic-Physical Education Facilities

Definition: A room (or area) used by students, staff, or the public for athletic activities.

Description: Included in this category are rooms generally referred to as *gymnasiums, basketball courts, handball courts, squash courts, wrestling rooms, swimming pools, ice rinks, indoor tracks, indoor "fields,"* and *fieldhouses.*

Limitations: No distinction is made on the basis of instructional *versus* intramural or intercollegiate use of *gymnasiums, swimming pools,* etc. (Institutions which wish to study the utilization of such facilities will need to further subdivide this category.) This category does NOT include *Classrooms, Laboratories,* or *Offices* even though they may be located in an Athletic building. This category does NOT include the *spectator seating area* associated with athletic facilities (see below). It does NOT include *outside* fields, tennis courts, archery ranges, etc.

523 Athletic Facilities Spectator Seating

Definition: The seating area used by students, staff, or the public to watch athletic events.

Description: Included in this category are *permanent seating areas* in *fieldhouses, gymnasiums,* and *natatoria.* Stadium seating should NOT be included, since by definition it is considered non-assignable area.

Limitations: This category does NOT include temporary or moveable-seating areas.

525 Athletic-Physical Education Facilities Service

Definition: A room which directly serves an Athletic-Physical Education Facility as an extension of the activities in such a facility.

Description: Included in this category are rooms generally referred to as *locker rooms, shower rooms, coaches' rooms, ticket booths, dressing rooms, equipment supply rooms, first aid rooms, skate sharpening rooms, towel rooms,* etc.

Limitations: This category does NOT include *public* toilet rooms.

530 Audio-Visual, Radio, TV Facilities

Definition: A room or group of rooms used in the production and distribution of instructional media.

Description: This category includes rooms generally referred to as *TV studios, radio studios, sound studios, graphic studios,* and similar rooms.

Limitations: Studios used primarily as part of an instructional program to train students in communication techniques should be classified as Class Laboratories (if scheduled) or Class Laboratory Service (if not scheduled).

535 Audio-Visual, Radio, TV Facilities Service

Definition: A room which directly serves an Audio-Visual, Radio, or TV Facility as an extension of the activities in such facilities.

Description: Included in this category are rooms generally referred to as *film library, tape library, control room, video tape recorder room, property storage, recording rooms,* and *engineering maintenance rooms.*

Limitations: Control rooms, recording rooms, and similar facilities used primarily to train students in communication techniques should be classified as Class Laboratories (if scheduled) or Class Laboratory Service (if not scheduled).

540 Clinic Facilities (Non-Medical)

Definition: A room used for the diagnosis and/or treatment of patients in a program other than medicine (human or veterinary), dentistry, and student health care.

Description: Included in this category are rooms generally referred to as *patient examination rooms, testing rooms, consultation rooms.* Clinics are typically associated with such educational areas as psychology, speech and hearing, remedial reading, and remedial writing.

Limitations: This category does NOT include clinics associated with *student health care*. It does NOT include *clinics* for the medical or dental treatment of *humans* or *animals.*

545 Clinic Facilities Service (Non-Medical)

Definition: A room which directly serves a Clinic as an extension of the activities in a Clinic.

Description: Included in this category are *waiting rooms, observation rooms, control rooms, records rooms,* and similar supporting rooms.

Limitations: This category does NOT include rooms which serve Medical Care Facilities.

550 Demonstration Facilities

Definition: A room (or group of rooms) used to practice the principles of certain subject-matter areas, particularly teaching and home management.

Description: This category includes *demonstration schools, laboratory schools, pre-school nurseries,* etc., IF the facilities support the training of the college-level students involved as (certified) teachers. This category includes *home management houses* which serve to train college-level students in home management.

Limitations: Demonstration schools, laboratory schools, pre-school nurseries, and *home management houses* in which the students serve as the subjects for a research study are classified as Non-Class Laboratory. Rooms which serve nursery, elementary, or secondary school students (in a laboratory school or preschool nursery) will NOT be classified as Classrooms, Class Laboratory, Office, etc., but rather as *Demonstration Facilities.* However, Classrooms or Class Laboratories in such facilities used primarily for collegiate level students should be classified as Classrooms or Class Laboratories. Offices and Conference Rooms used by collegiate level staff should be designated Offices and Conference Rooms.

555 Demonstration Facilities Service

Definition: A room which directly serves a Demonstration Facility as an extension of the activities of the Demonstration Facility.

Description: Included in this category are facilities generally referred to as *store rooms, laundry,* etc. (in a home demonstration facility) and *kitchen, lockers, shower rooms,* etc. (in a laboratory school).

Limitations: The distinction between Demonstration Facilities and Demonstration Facilities Service is somewhat arbitrary. In general, the primary activity areas such as kitchen, dining room, living room (in a home demonstration house) or classrorooms, laboratories, gymnasiums (in a laboratory school) should be designated as Demonstration Facilities.

560 Field-Service Facilities

Definition: A barn or similar structure for animal shelter or the handling, storage, and/or protection of farm products, supplies, and tools.

Description: Field-Service Facilities include *barns, animal shelters, sheds, silos, feed units, hay storage,* and *seedhouses. Greenhouses* related to farm operations are included in this category. Structures are typically of light frame construction with unfinished interiors, usually related to agricultural field operations, and are frequently located outside the central campus area.

Limitations: Location of a building is NOT sufficient justification for classification as a Field-Service Facility. Finished rooms such as *endocrine research laboratories, diary research laboratories,* etc., should be classified as Non-Class Laboratories.

590 Other Special-Use Facilities

A category of last resort.

595 Other Special-Use Facilities Service

A category of last resort.

600 GENERAL-USE FACILITIES

610 Assembly Facilities

Definition: A room designed and equipped for dramatic, musical, devotional, or livestock judging activities.

Description: This category includes rooms generally referred to as *theatres, auditoriums, concert halls, arenas, chapels,* and (livestock) *judging pavilions. Seating area, stage, orchestra pit, chancel, arena,* and *aisles* are included in Assembly Facilities.

Limitations: Assembly rooms are NOT primarily used for instructional purposes (see Classroom Facilities).

615 Assembly Facilities Service

Definition: A room which directly serves as Assembly Facility as an extension of the activities of such a facility.

Description: This category includes *check rooms, coat rooms, ticket booths, dressing rooms, projection booths, property storage, make-up rooms, costume storage, green rooms, control rooms,* etc.

Limitations: Lobbies are non-assgnable space classified as Circulation space.

620 Exhibition Facilities

Definition: A room used for exhibits.

Description: This category includes *museums, art galleries,* and *similar exhibition areas.*

Limitations: Study collections NOT primarily for general exhibition such as *departmental displays* of anthropological, botanical, or geological specimens should be classified under an appropriate Laboratory Facility category.

625 Exhibition Facilities Service

Definition: A room which directly serves an Exhibition Facility as an extension of the activities in such a facility.

Description: This category includes *work rooms* for the preparation of materials and displays, *vault* or other *storage* for works of art, *check rooms,* etc.

Limitations: Research areas in a museum are classified as Non-Class Laboratories or Non-Class Laboratory Service.

630 Food Facilities

Definition: A room used for eating food.

Description: This category includes *dining halls, cafeterias, snack bars, restaurants,* and *similar eating areas.*

Limitations: This category is limited to facilities which are open to the student body and/or public at large. *Dining halls* in *residence halls* (or separate facilities serving a group of residence halls) are classified as Residential.

635 Food Facilities Service

Definition: A room which directly serves a Food Facility as an extension of the activities in such a facility.

Description: This category includes such areas as *kitchens, refrigeration rooms, freezers, dishwashing rooms, cafeteria serving areas,* and other non-dining areas.

Limitations: This category is limited to service areas in which the Food Facility is open to the student body and/or public at large. Service areas to Food Facilities in a residence hall (or a facility serving a group of residence halls) are classified as Residential.

640 Health Facilities (Student)

Definition: A room used for the medical examination or treatment of students.

Description: This category includes *examination rooms, bedrooms, surgery rooms, clinics,* etc.

Limitations: This category does NOT include such *clinics* as *speech and hearing clinics, psychology clinics,* and *similar instructional and/or research facilities. Teaching hospitals* for students in *Human* or *Veterinary Medicine* are NOT included. Incidental use of a Health Facility by staff members may occur.

645 Health Facilities Service (Student)

Definition: A room which directly serves a Health Facility (Student) as an extension of the activities in such a facility.

Description: Included in this category are such rooms as *dispensaries, record rooms, waiting rooms, clinical laboratories, scrub-up rooms, linen closets,* etc.

Limitations: This category does NOT include service rooms for teaching clinics or teaching hospitals.

650 Lounge Facilities

Definition: A room used for rest and relaxation.

Description: A *lounge* is typically equipped with upholstered furniture, draperies, and/or carpeting.

Limitations: A Lounge is distinguished from a Conference Room by its more informal atmosphere and its general public availability. A "lounge" area associated with a toilet is non-assignable space and classified as Mechanical Area.

655 Lounge Facilities Service

Definition: A room which directly serves a Lounge, such as a *kitchenette.*

660 Merchandising Facilities

Definition: A room (or group of rooms) used to sell products or services.

Description: This category includes such rooms as *bookstores, barber shops, post offices, dairy stories, student union "desks,"* and *motel-hotel rooms.*

Limitations: This category does NOT include *dining rooms, restaurants, snack bars,* and similar Food Facilities. It does NOT include *meeting rooms* which are classified as Conference Rooms.

665 Merchandising Facilities Service

Definition: A room which directly serves a Merchandising Facility as an extension of the activities in that room.

Description: Included in this category are rooms generally referred to as *supply closets, sorting rooms, freezers, telephone rooms, linen rooms, laundry rooms, valet service,* and *private toilets.*

Limitations: This category does NOT include *public* toilet rooms.

670 Recreation Facilities

Definition: A room used by students (staff and/or the public) for recreational purposes.

Description: This category includes such rooms as *bowling alleys, pool and billiards rooms, ping pong rooms, ballrooms, chess rooms, card-playing rooms, (non-instructional) music listening rooms,* and *hobby rooms.*

Limitations: This category does NOT include *gymnasiums, basketball courts, handball courts, squash courts, wrestling rooms, swimming pools, ice rinks, indoor tracks, indoor fields,* or *field houses,* which should be classified as Athletic-Physical Education Facilities. It does NOT include *outside* facilities such as *tennis courts, archery ranges, fields* (football, hockey, etc.), or *golf courses.*

675 Recreation Facilities Service

Definition: A room which directly serves a Recreation Facility as an extension of the activities of such a facility.

Description: This category includes *storage closets, equipment issue rooms, cashiers desk,* and similar areas.

Limitations: This category does NOT include *kitchens, short-order kitchens, snack bars,* or other Food Facilities. It does NOT include Athletic-Physical Education Facilities Service areas.

690 Other General-Use Facilities

A category of last resort.

695 Other General-Use Facilities Service

A category of last resort.

700 SUPPORTING FACILITIES

710 Data Processing-Computer Facilities

Definition: A room (or group of rooms) for institution-wide processing of data by machines or computers.

Description: This category includes *keypunch rooms, electronic data processing rooms, electronic computer rooms,* and similar data processing areas.

Limitations: This category does NOT include rooms containing *desk calculators, posting-billing machines, check-writing machines,* and similar Office or Office Service rooms. It is recommended that the area occupied by a keypunch machine, sorter, or other EDP equipment in a room otherwise classifiable as an Office NOT be prorated to this category. A data processing facility used *primarily* for instruction should be classified as a Class Laboratory. Such a facility used primarily for research and/or administrative data processing should be included in the "710" category. gory.

715 Data Processing-Computer Facilities Service

Definition: A room which directly serves a Data Processing-Computer Facility as an extension of the activities of that facility.

Description: This category includes such rooms as *card storage, paper form storage, tape storage, tape storage vaults, control rooms, plugboard storage, wiring rooms, equipment repair rooms, observation rooms,* and similar service areas.

Limitations: This category does NOT include offices for data processing personnel which should be classified as Offices.

720 Shop Facilities

Definition: A room used for the manufacture or maintenance of products and equipment.

Description: This category includes such rooms as *carpenter shops, plumbing shops, electrical shops, painting shops,* and similar physical plant maintenance facilities. It also includes *central printing and duplicating shops, central receiving,* and *central stores.*

Limitations: This category does NOT include *instructional shops; industrial arts* and *vocational-technical shops* used for instruction should be classified as Class Laboratories. Highly specialized *shops* for the production of scientific apparatus and equipment should be classified as Laboratory Service (Class Laboratory Service or Non-Class Laboratory Service). *Materials preparation areas* in Audio-Visual, Radio Stations, and TV Studios should be classified as Audio-Visual, Radio, TV Facilities. Maintenance and repair areas of *vehicles, airplanes, boats,* etc., should be classified as Vehicle Storage Service. *Engineering drafting rooms* serving the physical plant operation are classified as Offices. *Blueprint storage rooms* are classified as Office Service.

725 Shop Facilities Service

Definition: A room which directly serves a Shop as an extension of the activities in such a room.

Description: Included in this category are *tool supply-storage rooms, materials storage rooms,* and similar *equipment or material supply and/or storage rooms. Locker rooms, shower rooms, lunch rooms,* and similar *non-public* areas should be included.

Limitations: This category does NOT include *service areas* related to Class or Non-Class Laboratories. It does NOT include *vehicular repair facilities* ("garages") which are classified as Vehicle Storage Service. *Blueprint storage rooms* should be classified as Office Service. *Public* toilets are NOT included.

730 Storage Facilities

Definition: A room used to store materials.

Description & Limitations: Classification of a room as a Storage Facility is limited by definition to a central storage facility (warehouse) *and* inactive departmental storage. *Storage* related to other types of space follow the classification of that type of space with a "service" designation. For example, a *storage closet* for office supplies is classified as Office Service. The distinction between a "service" classification and "storage" rests on the possibility of physical separation of the materials stored. If the material being stored could be placed in a warehouse, implying only occasional demand for the materials, then Storage Facility is the appropriate classification. Storage which must, by the nature of the materials stored and the demands placed upon them by the program, be close at hand should be classified according to the appropriate "Service" category.

735 Storage Facilities Service

Definition: A room which directly serves a Storage Facility.

740 Vehicle Storage

Definition: A room which is used to store vehicles.

Description: This category includes rooms generally referred to as *garages, boat houses, airport hangars,* and other storage areas for vehicles (broadly defined).

Limitations: This category does NOT include portions of *barns* or similar Field-Service Facilities which are used to house *farm implements.* It is recommended that parking structures NOT be included, since these do not represent assignable square feet.

745 Vehicle Storage Service

Definition: A room (or structure) used to service vehicles.

Description: This category includes any area associated with a Vehicle Storage Facility which is used for the *maintenance and repair of automotive equipment, boats, airplanes,* and *similar vehicles.*

750 Central Food Stores

Definition: A central facility for the processing and storage of foods used in Residence Facilities and Food Facilities.

Description: This category includes *food storage areas, lockers, cold rooms, refrigerators, meat processing areas,* and similar facilities located in a Central Food Stores building.

Limitations: Offices and *conference rooms* located in a Central Food Stores building are classified as Offices and Conference Rooms. *Food storage areas, freezers, lockers,* etc., NOT located in a Central Food Stores building are classified as Food Facilities Service.

760 Central Laundry

Definition: A central facility for washing, drying, and ironing of linens, uniforms, and other institutional material.

Description: This category includes ***laundry rooms, drying rooms, ironing rooms,*** etc., located in a Central Laundry.

*Limitations: **Offices*** and ***conference rooms*** located in a Central Laundry are classified as Offices and Conference Rooms. ***Laundry rooms, drying rooms, ironing rooms,*** etc., NOT located in a Central Laundry are classified as Residential Facilities or as a Service facility to whatever type of space they serve.

790 Other Supporting Facilities

A category of last resort.

795 Other Supporting Facilities Service

A category of last resort.

800 MEDICAL CARE FACILITIES

Note: ***This category does NOT include students health care facilities. This category does NOT include non-medical clinic facilities.***

810 Human Hospital-Clinic Facilities

Definition: A room used for the medical examination and/or treatment of humans as inpatients or outpatients.

Description: This category includes rooms generally referred to as ***examination rooms, operating rooms, x-ray rooms, physical therapy rooms, delivery rooms, labor rooms, recovery rooms,*** and similar facilities which are (or may be) used in the examination and/or treatment of several patients within the course of a day. It also includes such clinics as ***medical, surgical, obstetric-gynecology, pediatric, psychiatric, otorhinolaryngology,*** and ***ophthalmology. Physical and occupational therapy clinics*** associated with a hospital are also included.

Limitations: Human Hospital-Clinic Facilities are distinguished from Human Hospital-Patient Care Facilities primarily on the basis of the length of time which a patient spends in such facilities. Clinic Facilities such as examination rooms, operating rooms, etc., are capable of serving many patients in the course of a day. Patient Care Facilities such as bedrooms, wards, etc., serve as a "home base" for a patient for a relatively long period of time.

This category does NOT include Student Health Care Facilities, Non-Medical Clinics, Classrooms, Class Laboratories, Special Class Laboratories, Offices, Study Facilities, Shops, Merchandishing Facilities, and similar rooms which can be otherwise classified.

This category does NOT include Dental Clinics.

815 Human Hospital-Clinic Facilities Service

Definition: A room which serves a Human Hospital-Clinic Facility as a direct extension of the activities in such a room.

Description: This category includes rooms generally referred to as *clinical laboratories, pharmacy, radium storage, control rooms, isotope vaults, animal rooms* supporting diagnostic functions, and similar rooms which support clinical facilities, but which the patient does not normally enter.

Limitations: Clinic Facilities are distinguished from *Clinic Facilities Service* on the basis of the presence of patients. Rooms which patients enter for examination and/or treatment are Clinic Facilities. Supporting clinical facilities not normally entered by patients are classified as Clinic Facilities Service.

820 Human Hospital-Patient Care Facilities

Definition: A room which provides a bed for patients in a hospital.

Description: This category includes rooms generally referred to as *bedrooms, wards, nurseries,* and similar rooms.

Limitations: This category does NOT include Clinic Facilities. (See Limitations in category 81C for basis of distinction.) This category does NOT include Patient Care Facilities in a Student Health Center. It does NOT include Non-Medical Clinics.

825 Human Hospital-Patient Care Facilities Service

Definition: A room which serves a *Patient Care Facility* as a direct extension of the activities in such a room.

Description: This category includes rooms generally referred to as *nurses stations, charting rooms, tub rooms, medication rooms, nourishment rooms, formula rooms,* and *food service facilities for patients.*

Limitations: This category does NOT include facilities which support student health care facilities, nor does it include Clinic Service Facilities.

840 Dental Clinic

Definition: A room used for the dental examination and/or treatment of humans.

Description: This category includes rooms generally referred to as dental clinics.

Limitations: This category does NOT include Medical Clinics.

845 Dental Clinic Service

Definition: A room which serves a *Dental Clinic* as a direct extension of the activities in such a room.

Description: This category includes supporting laboratory services and other facilities which serve a Dental Clinic.

Limitations: Dental Clinic Service rooms are generally NOT entered by patients.

850 Veterinary Hospital-Clinic Facilities

Definition: A room used for the medical examination and/or treatment of animals as inpatients or outpatients.

Description: This category includes rooms generally referred to as *examination rooms, surgery rooms, x-ray rooms,* and similar facilities which are (or may be) used in the examination and/or treatment of several patients within the course of a day.

Limitations: Veterinary Hospital-Clinic Facilities are distinguished from Veterinary Hospital-Patient Care Facilities primarily on the basis of the length of time which a patient spends in such a facility. Clinic Facilities such as examination rooms, operating rooms, etc., are capable of serving many patients in the course of a day. Patient Care Facilities serve as a "home base" for a patient for a relatively long period of time.

This category does NOT include surgery rooms and similar facilities which serve as preparation areas for Class Laboratories or Non-Class Laboratories. Such rooms are classified as Service Facilities to such laboratories.

855 Veterinary Hospital-Clinic Facilities Service

Definition: A room which serves a Clinic Facility as a direct extension of the activities in such a facility.

Description: This category includes rooms generally referred to as *clinical laboratories, pharmacy, radium storage, scrub-up rooms, animal rooms used for diagnostic purposes,* etc.

Limitations: Clinic Facilities are distinguished from Clinic Facilities Service on the basis of the presence of patients. Rooms which patients enter for examination and/or treatment are Clinic Facilities. Supporting clinic facilities not normally entered by patients are classified as Clinic Facilities Service.

860 Veterinary Hospital-Animal Care Facilities

Definition: A room which provides a cage or stall for animal patients.

Description: This category includes rooms generally referred to as *animal rooms, stalls, wards,* and similar rooms.

Limitations: This category does NOT include Clinic Facilities. (See Limitations in category 850 for basis of distinction.) Animal rooms, stalls, wards, etc., which house animals intended for use in Class Laboratories, Non-Class Laboratories, or Human Hospital Clinic Facilities, are classified as Service areas to such rooms.

865 Veterinary Hospital-Animal Care Facilities Service

Definition: A room which serves an Animal Care Facility as a direct extension of the activities in such a room.

Description: This category includes rooms generally referred to as *feed storage rooms, feed mixing rooms, cage washing rooms,* and similar facilities.

Limitations: This category does NOT include facilities which directly serve animal-care facilities associated with Class Laboratories, Non-Class Laboratories, or Human Hospital-Clinic Facilities.

*900 RESIDENTIAL FACILITIES

910 Residence for Single Persons (*Do not use 910;* for Recap only.)

911 Dormitory

Definition: Living quarters for unmarried persons.

Description: This category includes all *bedrooms, non-public bathrooms, laundry rooms, pressing rooms,* and *storage rooms* (other than *Food Storage*) in a residence hall for unmarried persons.

Limitations: Rooms in a dormitory which serve primarily as classrooms should be classified as *classrooms.* Offices for staff members should be classified as *Offices.* Study Rooms (for general student use, not in areas, which are part of bedrooms) should be classified as *Study Rooms.* Food Storage Rooms should be classified under 912 *Food Service In Residence Halls.*

912 Food Service in Residence Halls

Definition: Those facilities where food is prepared and served to the occupants.

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* For residential facilities it is preferred that the inventory indicate total net assignable space by building per type of room category rather than on a room-by-room basis.

Description: This category includes all ***dining halls, kitchens*** and food service facilities in residence halls for unmarried persons.

Limitations: Rooms which are used primarily for the public or for faculty should not be included here. Faculty dining facilities should be classified under 630.

920 One-Family Dwelling

Definition: A house provided for one family.

Description: This category includes houses provided for, or rented to, staff (or students).

Limitations: This category does NOT include investment properties which may be rented to non-institutional personnel.

930 Multiple-Family Dwelling

Definition: A duplex house or apartment building for more than one family.

Description: This category includes ***student and faculty apartment buildings and duplex houses*** rented to staff and/or students.

Limitations: This category does NOT include investment properties which may be rented to non-institutional personnel.

Appendix E

Instructions and Procedures
For Gathering Instructional Space Utilization Data

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Part III. Utilization of Instructional Space

A. Scope

This survey is designed to obtain data from which to produce a meaningful analysis of instructional space use on a campus-by-campus basis at institutions of higher education in North Carolina.

B. Purpose

1. It is intended that information gathered by this survey and summaries produced by analysis of this information will form a sound basis for institutions involved and agencies concerned to make effective examination of current instructional space utilization practices. Integration of data from this survey with information obtained from the facilities inventory should provide improved bases for estimating future space needs state-wide.

2. Based upon results of the study and recommendations of participants and using agencies, survey procedures will be refined and requirements for use data redefined to improve the effectiveness of future surveys of this type.

C. Data Collection and Forwarding

1. Institutions, *except community colleges and technical institutes*, are asked to provide their space use data on the Instructional Space Utilization form, p. 23, by a deck of punched cards, according to instructions which follow.

Community Colleges and technical institutes should report utilization data to the Department of Community Colleges on Form 33B-DCC. For each room reported on Form 33B-DCC, be sure to use room and building numbers identical to corresponding numbers on the inventory forms.

2. Forms are being provided to each institution. Additional forms may be obtained from the Higher Education Facilities Inventory Project, State Commission on Higher Education Facilities, (919)829-3266. Prepare forms or cards in duplicate, retain one copy or set, and forward one copy or set to the Higher Education Facilities Inventory Project (See address, p. 3.) Be sure the completed forms or cards are securely bundled and clearly labeled on a campus-by-campus basis.

D. Key Punched Cards

1. For those institutions with card punch capability, we request these same data by key-punched cards. Use the card layout indicated on p. 28.

2. Note that there are no card columns specified for the instructor's name since the system is keyed to the instructor's number. We recommend that the instructor's number be his social security number.

3. Where institutions have the capability, cards should be interpreted.

4. It will not be necessary for institutions submitting their data on punched cards to forward the long-hand form.

E. Room Utilization Data

1. This survey measures room use for only administratively scheduled courses of instruction which are offered for college credit or which are non-credit courses offered as a part of degree requirements. These courses only will be entered on the utilization form. Extension courses and short courses such as refreshers which are offered as a service to the community will not be included.

2. It is important that requested information reflect room utilization after the "drop and add" period for the fall semester or quarter, 1969. Entries must show the actual place a particular class is held rather than the place it might have been originally scheduled, if different.

F. Instructions for Completing the Instructional Space Utilization Form (Exhibit, p. 23)

1. Note that the Instructional Space Utilization form is oriented around the teaching schedule of the individual instructor. Selection of this method of gathering room-use data is based on survey indications that most North Carolina institutions favor this system over others available. It appears likely that existing institutional (departmental) records contain the same information requested by the form, in much the same format.

2. Institutions should record all indoor teaching areas used and all instruction (as described below) accomplished therein.

3. Experience indicates a high incidence of error in this type report. It is therefore recommended that all entries be verified at both departmental and institutional level.

4. Type or print in the blanks provided the information requested in the heading.

5. Be sure that every entry is legible and confined within the space provided.

6. Make a separate line entry for each segment of each instructor's classroom activity. That is, in the case of each instructor, make a separate line entry for each section of each course he teaches. Separate entries are needed for laboratories associated with recitations and lectures, for classes taught by different instructors, for sessions which meet in different rooms, and for sessions which meet at different hours. Where a class is taught at times by one instructor and at others by a different instructor, the institution should select the name and number of a single instructor for the entries in Columns (1) and (2) in order to avoid duplication in succeeding columns. All periods of indoor instruction should be entered irrespective of the type of room in which conducted. Instrution which occurs out-of-doors should normally not be included. If, however, these classes periodically meet indoors, and if space for the period of instruction is reserved for indoor meetings, then these classes (whether indoor or outdoor) should be recorded as occuring in the reserved space.

7. Such activities as individual study, practice, and experimentation should not be included.

8. Do not record "to be arranged" for either time or place. Where formal schedules for instruction are not maintained (i.e., for such courses as music, art, honors, research, and theses) or where class schedules are arranged informally and/or periodically, it will be necessary to determine and record the *normal* class location and *average* days and hours scheduled and students attending. For such recordings, the following elements

INSTRUCTIONAL SPACE UTILIZATION

Sheet # 1 of 12 Sheets

Institution John Doe College

As-of-Fall Semester or Quarter, 1969

Campus Downtown

(1) Instructor Name	(2) Instr. No.	(3) Dept. No.	ALPHA	(4) Course No.	ALPHA	(5) Sect. No.	(6) Lect Lab	(7) Days						(8) Begin Hr.	(9) Ending Hr.	(10) Bldg. No.	ALPHA	(11) Room No.	ALPHA	(12) No. of Students	(13) Seq. No.
								M	T	W	T	F	S								
JONES, P. E.	289376810	1901		00102		001	1	X		X				0900	0950	023		00136		0025	0001
" "	" " "	"		" "		001	2					X		1300	1350	023		00138		0025	0002
MORRIS, H. A.	135679420	2871		00106		001	1	X		X		X		0830	0920	007		00227		0030	0003
" "	" " "	"		00106	L	002	2				X			1400	1650	007		00231		0015	0004
" "	" " "	"		" "		003	2				X			1830	2120	007		00231		0015	0005
PHILLIPS, K. V.	117362518	2851		00210		005	1		X		X			0750	0840	A10		00030		0100	0006
" "	" " "	"		00411		007	2				X			1300	1550	026		00047		0030	0007
SAUNDERS B. H.	426897398	2281		00204		006	1		X		X			0820	0910	010		00016		0090	0008
" "	" " "	"		" "		005	1			X		X		0820	0910	010		00023		0086	0009
" "	" " "	"		" "		005	1				X			1400	1450	025	B	00032	A	0086	0010
SMITH, R. B.	260601907	0012	A	00112		00A	2		X					1300	1350	006		00021		0005	0015
BROWN, J. B.	18	HIST		00121		00A	1	X		X		X		0900	0950	013		00021		0040	0100

Prepared by: John Doe, Registrar

Date November 15, 1968

are essential: a) The requirement for the presence of an instructor or instructor-monitor and b) The requirement for the presence of the student for course credit purposes, even though the time of his attendance is optional.

9. In the case of closed circuit TV instruction where each receiving classroom has an instructor-monitor, entries should reflect room use by the instructor-monitor-controlled rooms only so that the number of attending students is not listed twice. (This situation should be reported by an explanation attached to the record.)

10. The following exemplifies how such an irregularly scheduled class as music may be entered. Note the sample entry on the form, p. 23, for Instructor R. B. Smith. Although Smith's actual instruction is to 5 music students, each on different days of the week, and each at a different hour, he has elected to make a single line entry to reflect his weekly average for Room 21, Building 6. (Thus, each of the five students in Instructor Smith's classes receives an average of one hour of music per week in Room 21). This entry will properly reflect room hours of instruction, use of room space by type, student contact hours, and other such data which are being analyzed in this study. Where such instruction occurs in different rooms, there must be an entry for each room.

11. It is suggested that at large colleges and universities the data be recorded on the form at departmental level and verified at a higher level. In small institutions, the dean of instruction may be the most appropriate recording office.

12. The numbers in parentheses below refer to the item and column numbers on the Instructional Space Utilization form. Entries appearing on the form are for purposes of illustration.

(1) *Instructor Name:* Suggest this entry show last name first and then initials. Where the entry needs to be repeated on subsequent lines, ditto marks may be used.

(2) *Instructor Number:* Institutions may wish to use a system which will separately identify instructors, graduate student instructors, and undergraduate assistants who have been assigned teaching duties. We recommend, however, that the instructor's number be his social security number. *There must be an entry in this column.* Except for instructor numbers with only one or two digits, ditto marks may be used for repeats.

(3) *Department Number (or name):* This is the institution's own department number or code. Institutions may find it desirable to make it the same as the "Organizational Unit Code" reported in the facilities inventory. This is feasible only if in the facilities inventory (Column 3) the institution's "Departmental Code" was used as its Organizational Unit Code for classrooms, laboratories, and other rooms where teaching is conducted. Note from the exhibit that this entry is limited to five spaces and that the last of the spaces is reserved for an "Alpha" (or letter suffix). *Enter leading zeros.*

Examples of entries follow:

Dept. No. 5 is entered	0 0 0 5
Dept. No. 15 is entered	0 0 1 5
Dept. No. 1306 is entered	1 3 0 6
Dept. No. 130A is entered	0 1 3 0 A
Dept. Name "History" is entered	H I S T

Except for one or two-digit department numbers, ditto marks may be used for repeats. *There must be an entry in this column.*

(4) *Course Number (or name):* There are six spaces in this field. The last space is reserved for an "Alpha" (or letter suffix). Except for one or two-digit course numbers, ditto marks may be used for repeats. The need to repeat an entry in this column involves consideration of other item entries on the particular line. For example, each separate Section Number line entry will require a corresponding entry (or ditto marks) in this column. *Enter leading zeros.* Examples follow.

Course No. 22 is entered	00022
Course No. 22A is entered	00022A
Course No. A22 is entered	00A22
Course No. 102 is entered	00102
Course Name "History" is entered	0HIST

There must be an entry in this column.

(5) *Section Number (or letter):* Use an entry which will identify each section being recorded. Record each section of each course taught by each instructor. One or more line entries may be required in the case of each section. A minimum of two line entries are normally needed for a course which includes a laboratory. The need to repeat an entry involves consideration of other item entries on a particular line (See sample entries on the form). ***There must be an entry in this column. Enter leading zeros.***

(6) *Lecture or Laboratory:* For the period(s) of instruction represented on this line, enter one of the following numerical codes:

1. For recitation and/or lecture session(s)
2. For laboratory session(s)

(7) *Days:* Enter an "X" in the appropriate columns to indicate the days of the week on which a section meets.

(8) *Beginning Hour:* Enter the time the class begins. Use the 24-hour clock (or military) system of hours: i.e., if the class begins at 9:30 a.m., enter 0930 in the four spaces provided; if the class begins at 2:30 p.m., enter 1430.

(9) *Ending Hour:* Enter the time the class ends using the 24-hour clock system.

(10) *Building Number:* For the building in which the class is held, enter the building number in four characters or less. *Be sure that this number is the same as the number used for the building in the facilities inventory.* If different sections of a class meet in two different buildings, two line entries are required to record this fact. There are four spaces in this field. The last space is reserved for an "Alpha". *Use leading zeros.* Sample entries are shown in the exhibit.

(11) *Room Number:* For the room in which the class is held, enter the room number in six characters or less. *Be sure that this number is the same as the number used for the room in the facilities inventory.* If different sections of a class meet in different rooms, a separate line entry is required for each room. There are six spaces in this field. The last space is reserved for an "Alpha", *Use leading zeros.* (See exhibit for sample entries.)

(12) *Number of Students:* Enter the number of students enrolled in the session(s) represented on the entry line (i.e., if 25 students are enrolled for the Monday,

Wednesday, and Friday sessions in the room shown and at the hour indicated, then 25 is the appropriate entry—not 75; if there is a different number of enrolled students for different periods in one line entry, use the average). *Use leading zeros.*

(13) *Sequence Number:* For use in control of the data processing card deck, enter a numeric sequence number on each line. Begin with 0001 (See exhibit).

G. Validation

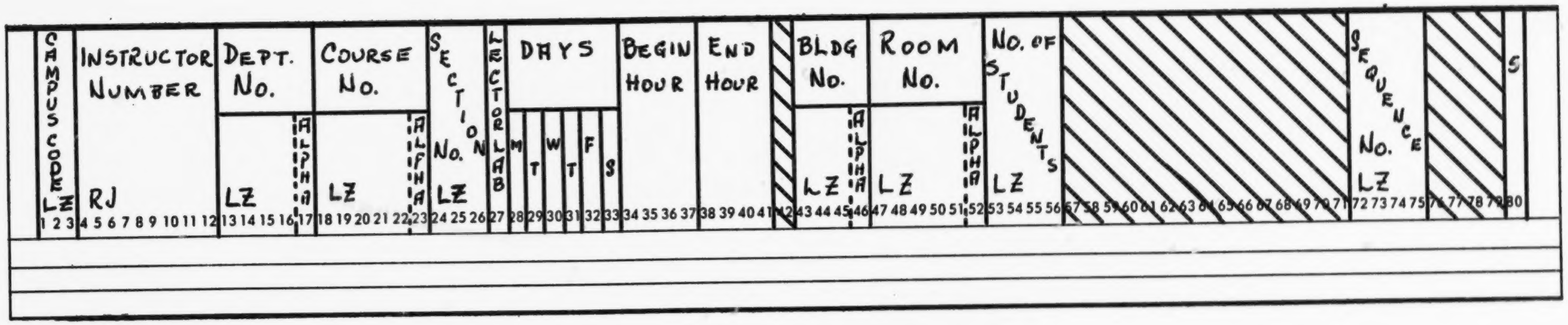
In the interest of accurate and complete reporting, it is requested that institutions make validation checks of all entries, whether on raw data sheets or punched cards, before forwarding data.

H. Card Format for Instructional Space Utilization

Card Columns	*Items on the Space Utilization Form*
1-3	Institution or Campus code (same as 1968-69 Facilities Inventory). Punch leading zeros.
—	(1) Instructor's name.
4-12	(2) Instructor's number—Right justify.
13-17	(3) Department number—Leave cc-17 blank unless required for alpha character suffix; e.g., 1831A. Punch leading zeros.
18-23	(4) Course number—Leave cc-23 blank unless required for alpha character suffix; e.g., 31226B. Punch leading zeros.
24-26	(5) Section number. Punch leading zeros.
27	(6) Lecture or Lab—For lecture, punch 1; for lab, punch 2.
28-33	(7) Days—Punch alpha "X" for actual meeting days; leave others blank.
34-37	(8) Begin hour—Military time (see manual).
38-41	(9) End hour—Military time (see manual).
42	Leave cc-42 blank.

Card Columns	*Items on the Space Utilization Form*
43-46	(10) Building number—Leave cc-46 blank unless required for alpha character suffix; e.g., Bldg. 002A. Punch leading zeros.
47-52	(11) Room number—Leave cc-52 blank unless required for alpha character suffix; e.g., 00202B. Punch leading zeros.
53-56	(12) Number of students. Punch leading zeros.
57-71	Blank.
72-75	Use for numeric sequence control of deck starting with 0001.
76-79	Blank
80	Enter a "5" in cc-80 to indicate that this is the Instructional Space Utilization Card.

LAYOUT FOR KEY PUNCH OF INSTRUCTIONAL SPACE UTILIZATION CARDS


CAMPUS CODE
LZ
1 2 3
INSTRUCTOR NUMBER
RJ
4 5 6 7 8 9 10 11 12
DEPT. No.
LZ
13 14 15 16
ALPHA
17
COURSE No.
LZ
18 19 20 21 22
ALPHA
23
SECTION
No.
LZ
24 25 26
LECTOR LAB
27
DAYS
M T W T F S
28 29 30 31 32 33
BEGIN HOUR
34 35 36 37
END HOUR
38 39 40 41
42
BLDG No.
LZ
43 44 45
ALPHA
46
ROOM No.
LZ
47 48 49 50 51
ALPHA
52
No. OF STUDENTS
LZ
53 54 55 56
57 58 59 60 61 62 63 64 65 66 67 68 69 70 71
SEQUENCE No.
LZ
72 73 74 75
76 77 78 79
S
80

Legend:
LZ–Leading zeros
RJ–Right justify
Alpha–Letter suffix